

DAEWOO

REAR PROJECTION TV

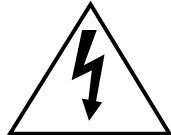
INSTRUCTION MANUAL



**DSJ-4710CRA / 5510CRA
DSJ-4720CRA / 5520CRA**



PROJECTION TV



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER
(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.



IMPORTANT SAFEGUARDS

Please read the following safeguards for your TV and retain for future reference. Always follow all warnings and instructions marked on the television.

1. Read, Retain and Follow All Instructions

Read all safety and operating instructions before operating the TV. Retain the safety and operating instructions for future reference. Follow all operating and use instructions.

2. Heed Warnings

Adhere to all warnings on the appliance and in the operating instructions.

3. Cleaning

Unplug the TV from the wall outlet before cleaning. Do not use liquid, abrasive, or aerosol cleaners. Cleaners can permanently damage the cabinet and screen. Use a lightly dampened cloth for cleaning.

4. Attachments and Equipment

Never add any attachment and/or equipment without approval of the manufacturer as such additions may result in the risk of fire, electric shock or other personal injury.

5. Water and Moisture

Do not use the TV where contact with or immersion in water is possible. Do not use near bath tubs, wash bowls, kitchen sinks, laundry tubs, swimming pools, etc.

6. Accessories



Do not place the TV on an unstable cart, stand, tripod, or table. The TV may fall, causing serious injury to a child or adult and serious damage to the TV. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the TV. Any mounting of the TV should follow the manufacturer's instructions, and should use mounting accessories recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the TV and to protect it from overheating. Do not block these openings or allow them to be obstructed by placing the TV on a bed, sofa, rug, or other similar surface. Nor should it be placed over a radiator or heat register. If the TV is to be placed in a rack or bookcase, ensure that there is adequate ventilation and that the manufacturer's instructions have been adhered to.

8. Power Source

This TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.

9. Grounding or Polarization

This TV is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

10. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the TV.

11. Lightning

For added protection for this TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV due to lightning and power-line surges.



12. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

13. Overloading

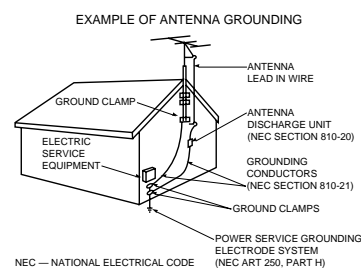
Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

14. Object and Liquid Entry

Never push objects of any kind into this TV through openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock. Never spill liquid of any kind on or into the TV.

15. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electric Code, ANSI /NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



16. Servicing

Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

17. Damage Requiring Service

Unplug the TV from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the TV.
- If the TV has been exposed to rain or water.
- If the TV does not operate normally by following the operating instructions. Adjust only those controllers that are covered by the operating instructions as an improper adjustment of other controllers may result in damage and will often require extensive work by a qualified technician to restore the TV to its normal operation.
- If the TV has been dropped or the cabinet has been damaged.
- When the TV exhibits a distinct change in performance - this indicates a need for service.

18. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

19. Safety Check

Upon completion of any service or repair to the TV, ask the service technician to perform safety checks to determine that the TV is in safe operating condition.

20. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Warning

This section must be read carefully and followed by the user prior to the operation of the product.

The manual states important instructions for the user's own safety, and the proper operation of the product.



Warning

Ignoring or disregarding the contents of this section and improper operation of the product may result in the person's death or serious injury.

In case of an accident, please unplug the unit from the outlet immediately.

To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer to qualified service personnel for repair.



Do not put any object that contains water - such as flowerpot - on the unit. The water may penetrate into the unit, and be a cause of fire or hazardous electric shock.



To prevent fire and damages to the product, unplug the unit from the outlet during lightning storm, or when it is left unattended and unused for a long period of time.



Do not put on or use the product near water and moisture-such as in a bathroom, washbowl, etc. It may be a cause of fire and electric shock hazards.



Slots and openings in the case are provided for ventilation to ensure reliable operation of the product. Never put in any item-such as a coin, paper, match- through these openings since it may touch dangerous voltage points that could result in fire or shock hazard.



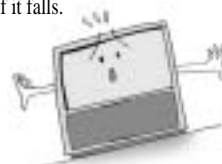
Do not let children hang on or climb on the product since it may be a cause of serious injury.



Take the plug when unplugging the unit from the outlet. The cord may cause fire or electric shock if damaged.



Do not place the product in a lean or unstable place since it may cause a serious injury to a person, as well as damage to the product if it falls.





Caution

Please keep the user's manual in a safe place for future reference.



Caution

Ignoring or disregarding the contents of this section and improper operation of the product may result in the person's death or serious injury.

This section must be read carefully and followed by the user when installing and transporting the product.

Do not put volatile substance-such as benzene, naphtha- near the product since it may cause a change in the product's color.



Do not put magnetic related substance, or telephone near the product since it may cause distortion of the image



Do not expose the product in a dusty or moisturized place since it may be a cause of malfunctioning.



Place the television far away from the view since it may cause damage in your eyesight.



Refer servicing to qualified service personnel for cleaning at least once a year since dust inside the TV set may be a result or fire and malfunctioning of the product.



Do not spill water or drop the remote controller since it may be a cause of malfunctioning.



The product should be situated away from any heat source-such as radiators, heat registers, stoves, or other products that produce heat.



Do not put on any heavy item on the power cord since it may result in fire or hazardous electric shock if the cord is damaged.



Do not cover the top of the television set. Ventilation will be prevented, and it may be a cause of fire if the product is internally overheated.



Unplug the power from the outlet and all the related connections from the unit to prevent electric shock. At least two people must work together to move the TV set when transporting to prevent the TV from falling, and consequently, any serious injury or damage.



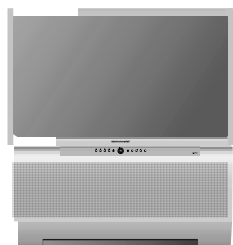
Do not touch the power cord with moisturized or watery hands when plugging to or unplugging from the outlet since it may be a cause of electric shock.



Please be advised of electric wires and cables when installing the antenna. It may be a cause of hazardous electric shock and fire if the antenna touches or falls on the electric wire; thus, it must be installed firmly, and far away from the cables.

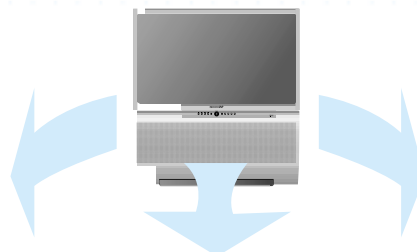


This product has advantages as follows.



Large Screen

You can enjoy favorite broadcasting by using a large screen with the size of 55"/47" bases on projection technology.

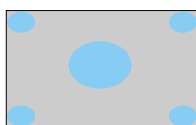


Adoption Dolby Virtual

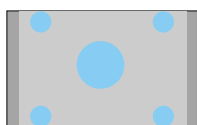
You can enjoy vivid and stereo sound as in a theater.

Various Screen

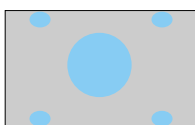
You can watch various sizes of screen such as 16:9, 4:3, Panorama, Zoom.



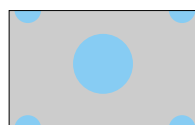
16:9



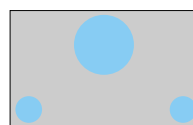
4:3



Panorama



Zoom1



Zoom2

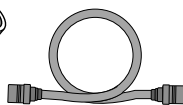
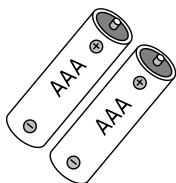
OPTIONAL ADJUSTMENT OF SOUND

You can adjust sound per frequency like Audio since the equalizer is built-in.

CONNECTION OF VARIOUS DEVICES

You can watch many kinds of media in a large screen through connection of DVD or DTV, etc.

Make Sure of Auxiliary Parts.



Information of setting up TV

TV is easily falled by pulling or pushing it.

Specially when children hang on TV or climb on it, there accident could occur.

Install prevention of conduction for safety.

1. Hold fixing hole and clamp by screw in the back of TV
2. Bind it to steadily strong wall or prop by hard strings It is safe that strings is bound like right picture.

When you move the TV, you should attention the strings. Use prop for TV that can stand the weight of TV

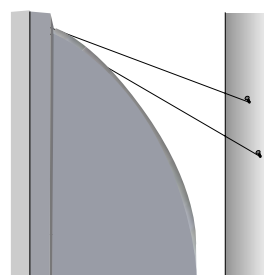
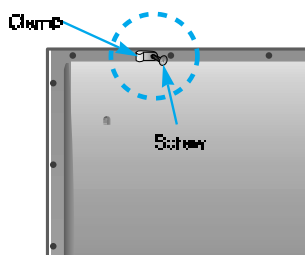




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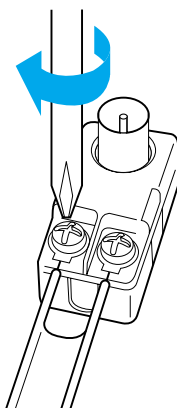
Antenna Connection

Indoor Antenna Connection

1. Connect the feeder cable of the antenna to the combining adapter.

WHEN THE IMAGE IS NOT CLEAR

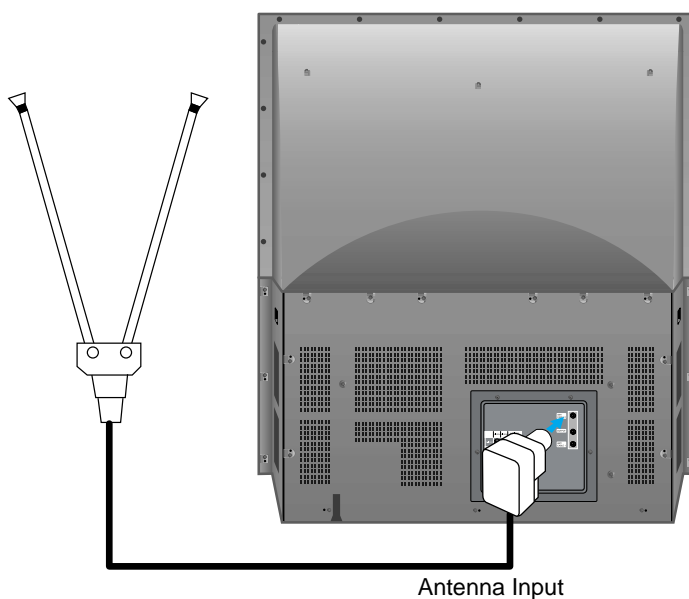
- Unclear screen image and bad reception may be a cause of wrong antenna connection. Be sure to check its direction and place when installing.



2. Connect the combining adapter to the antenna input at the back of the TV set.

WHEN USING THE COMBINING ADAPTER

- You may obtain the combining adapter at your closest Service Center.

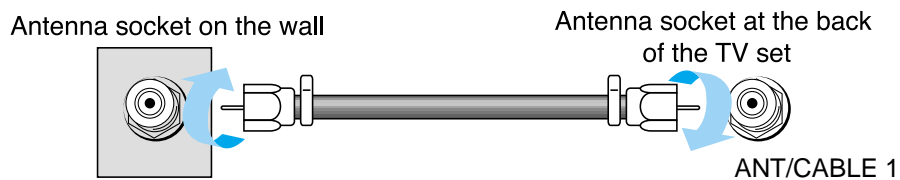


CTV Antenna Connection

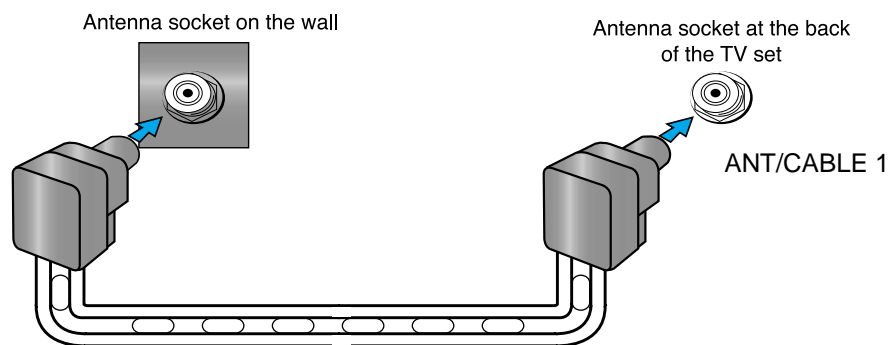
Such community TV Antenna installation may be found in most of co-op apartments.

When a coaxial cable is used

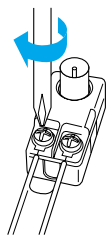
Plug the coaxial cable to the antenna socket, and fix it firmly by turning it to the right.



When a feeder cable is used



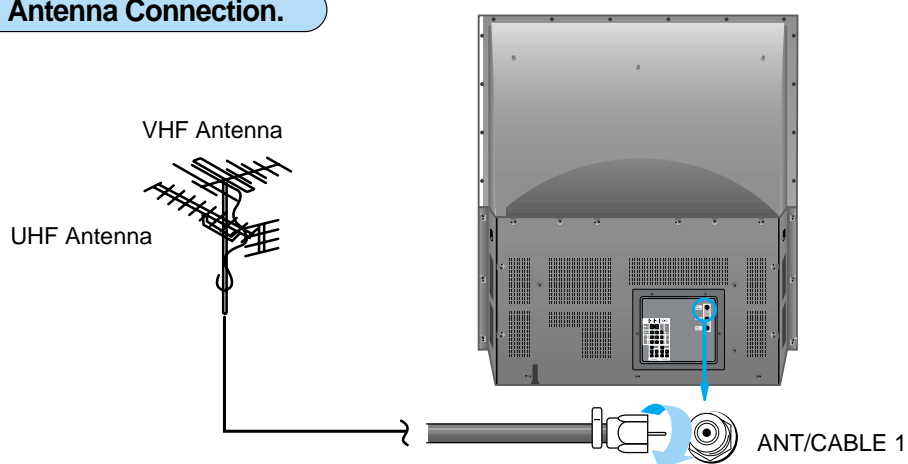
Feeder cable connection with the combining adapter



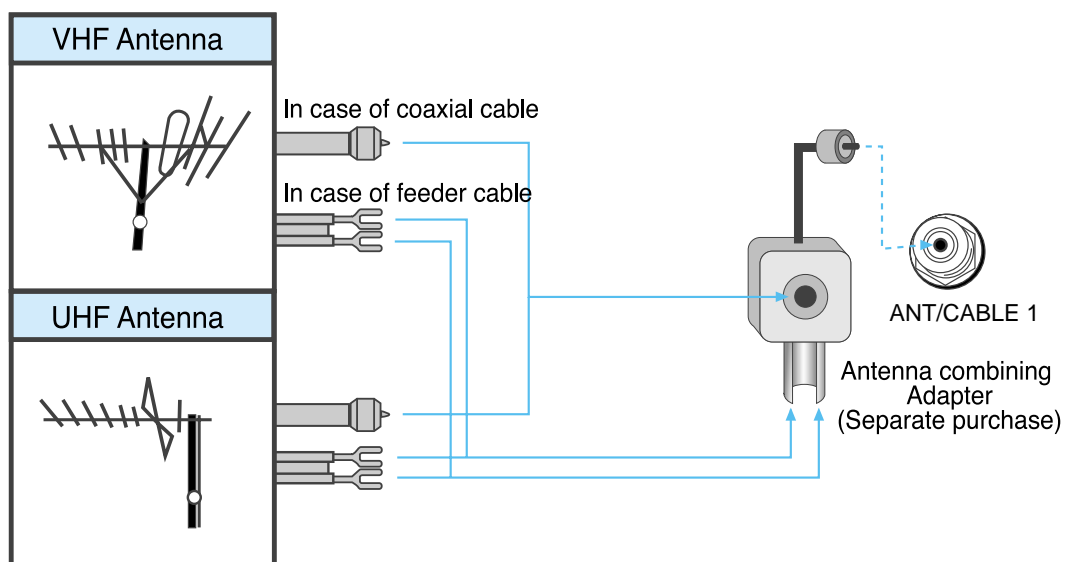
Outdoor Antenna Connection

Outdoor Antenna connection-such as VHF or/and UHF-may be necessary for installation at private houses

Single Antenna Connection.



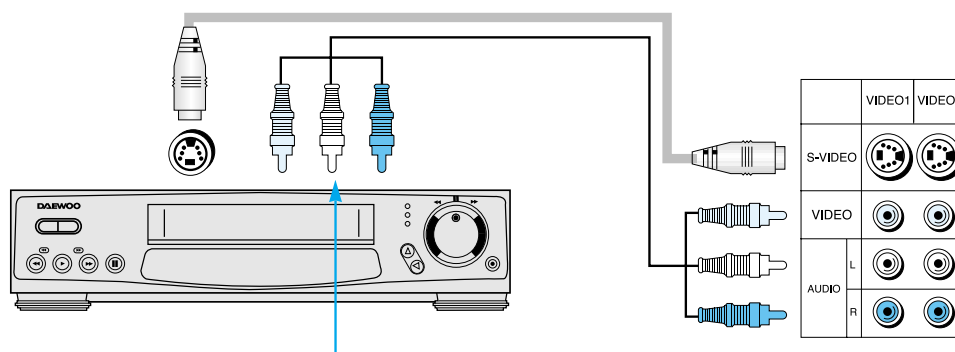
Separate Antenna Connection.



Video Connection

Connecting with an External Source

You may connect S-Video input to enjoy a clearer and brighter picture images. You can choose and make the connection with any one of Video 1, 2, or 3 inputs.



■ Connection is not necessary in Mono mode.

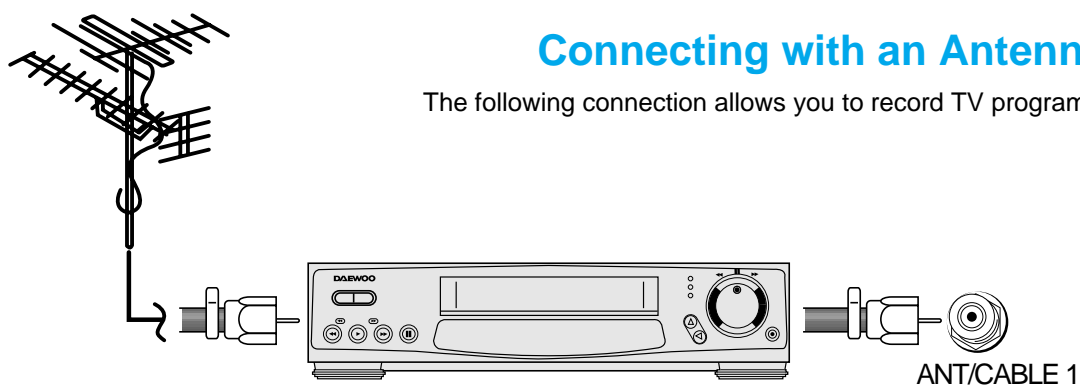
■ Connect either S-Video or Video input to the unit. When both are connected, the output display will be in S-Video.

: Note

The stated connection does not comply with recording TV programs. You must make the connection to the Antenna input socket as shown below for recording.

Connecting with an Antenna

The following connection allows you to record TV programs.



Connection Guide

1. Connect the antenna to the antenna input of the video
2. Make a connection of Antenna Output on Video and Antenna Input on TV with the coaxial cable provided.

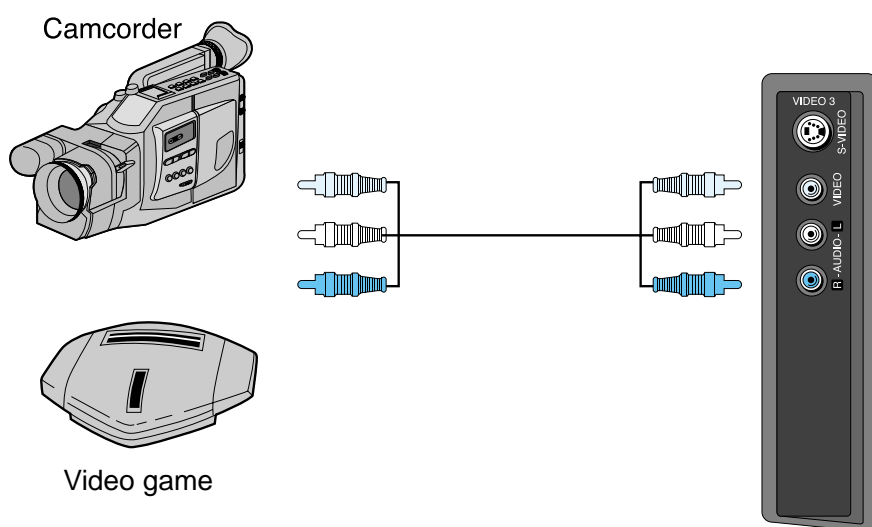
Operating Instructions

1. Adjust the channel selection switch at the rear side of the Video to 3 or 4.
2. Turn on the TV set, and adjust the channel to 3 or 4, to the number adjusted for step1.
3. Turn on the Video, insert the videocassette, and press the Play button.

Camcorder & Play station Connection

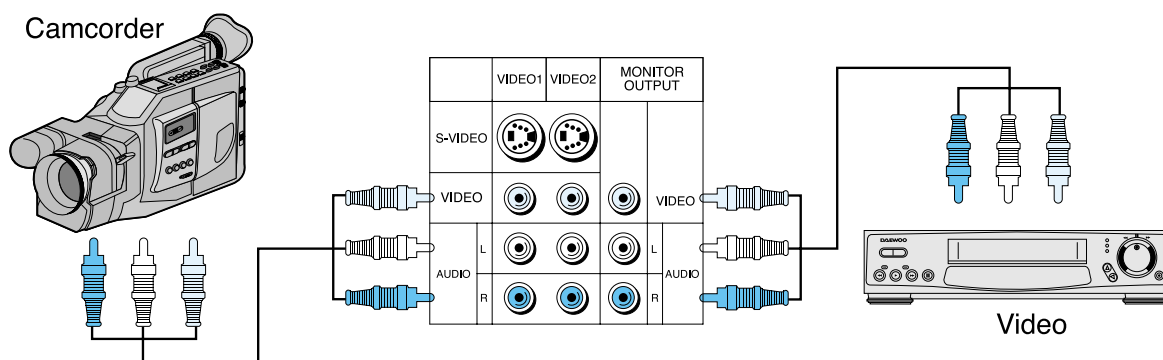
Watching the Camcorder Recording on TV

- Use the input jack provided at the side panel of the TV set
- Use the same connection method for playstation



Playing a Recorded Material and Recording a Video simultaneously

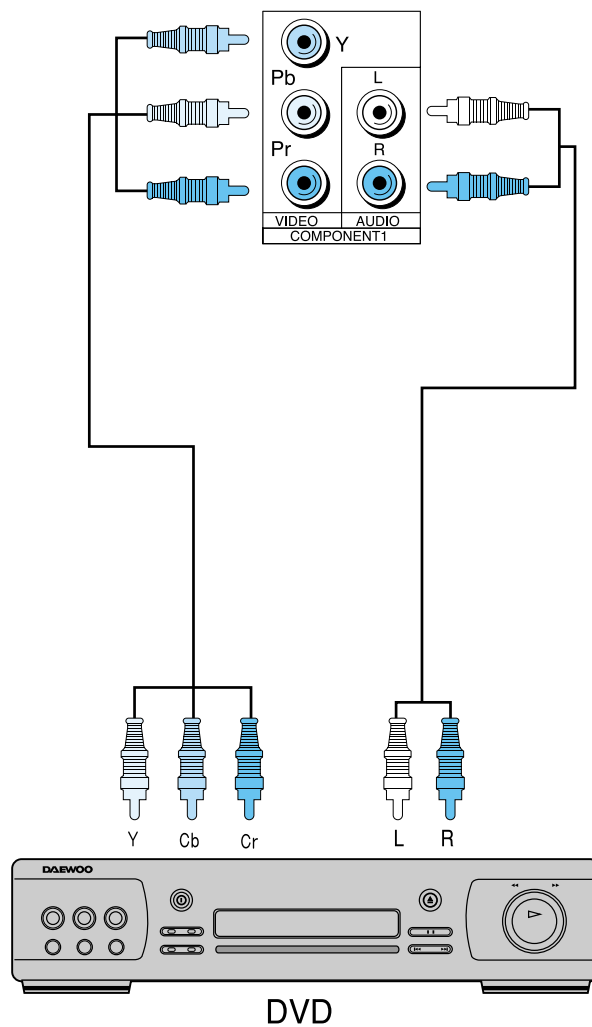
- Connect the camcorder and video as follows.
- Turn the camcorder's video output switch on, and play the recorded material.
- Press the "TV/VIDEO" button, and select Video 1.
- Select A/V INPUT for the Video Input, and start recording.



DVD Connection

DVD

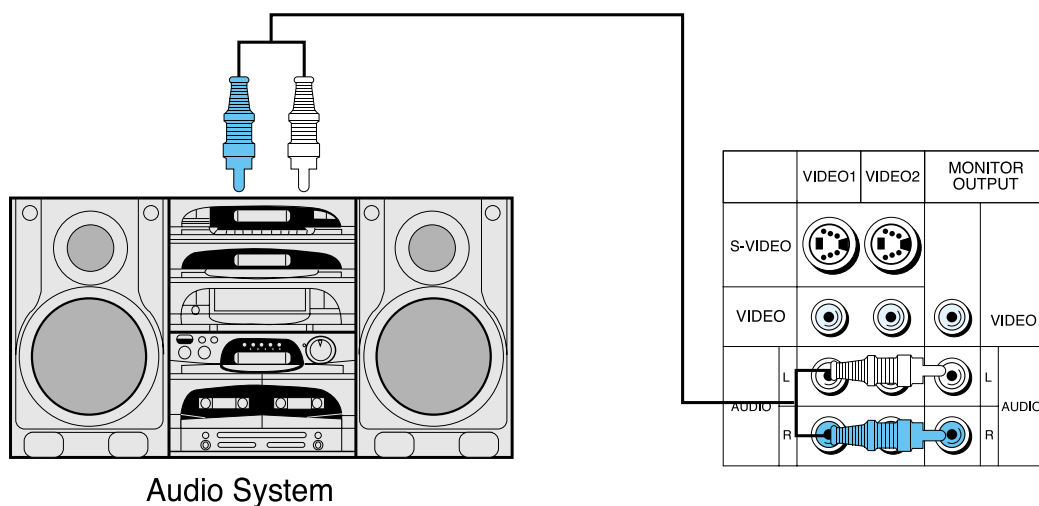
- 480i input signal is possible for DVD input.
- DVD screen output is composed of three separate primary color jack(Y/Cb/Cr), resulting in a higher image quality.
- Y/Cb/Cr, may also be noted as Y/PB/PR or Y/Pb/Pr in different DVD players.
- The DVD player's audio output must be connected to the DVD audio input socket at the back of the TV set.
- You must use a 480p input capable DTV jack if you want to get the progressive scan (480p) DVD screen display.



Audio Connection

Standard Audio Connection

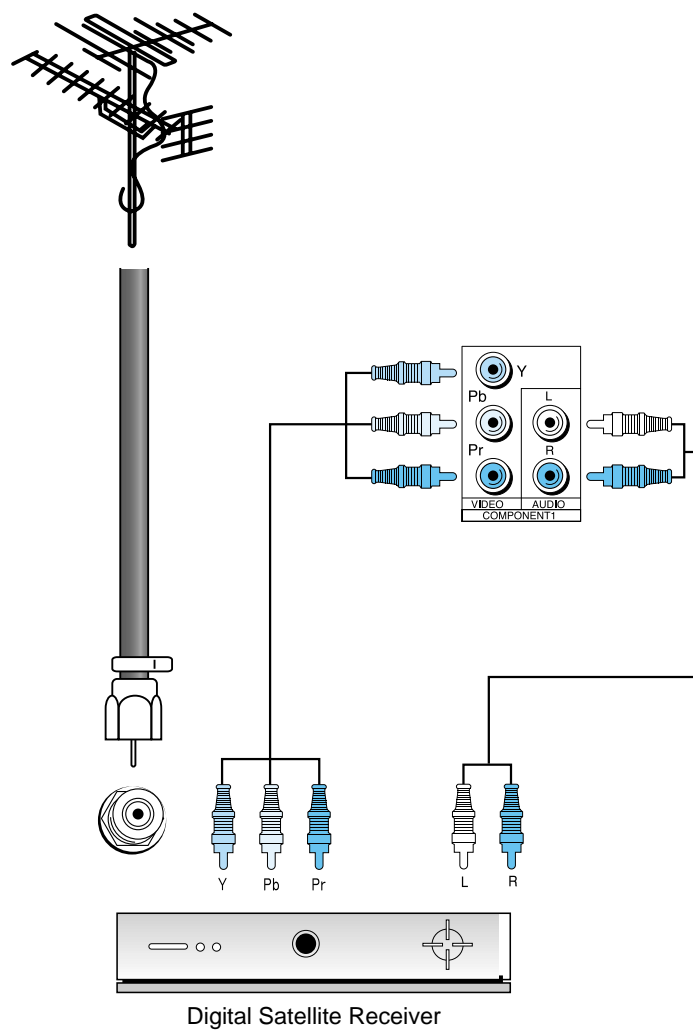
- You may minimize the volume of the TV set, and listen to the sound.
- The default status of 'Dolby Virtual' is in 'Line out: Internal'.



Digital Satellite Receiver Connection

Watching High Definition Digital Broadcasting

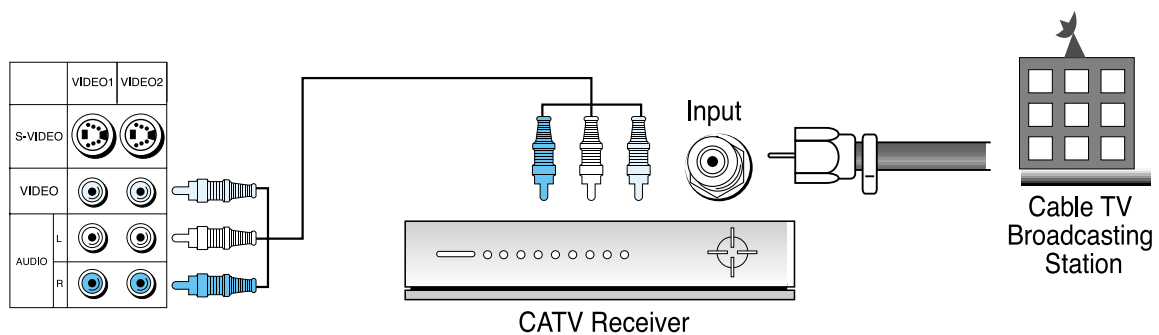
The signal input of 1080i, 720p, and 480p are available in this product.
You may use a general A/V jack for its connection.



Cable TV Broadcasting Connection

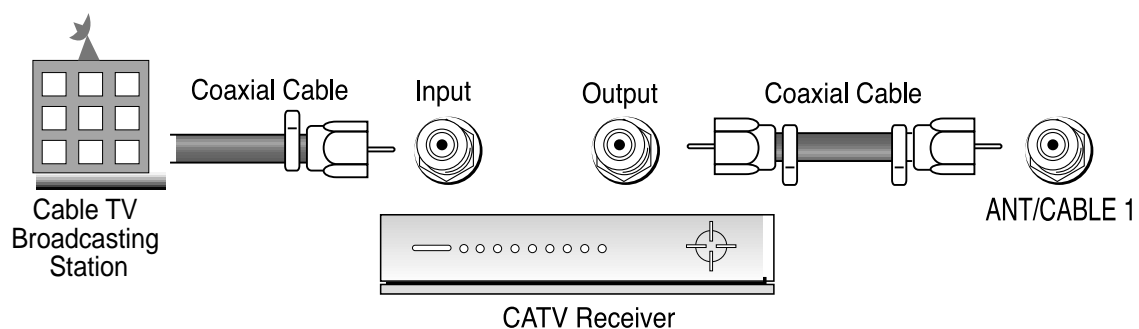
External Input Connection Source

Watching cable television is only possible after you have subscribed to the local broadcasting company and installed a cable receiver. You may make the connection to any of the Video input 1, 2, & 3.



Antenna Input Connection

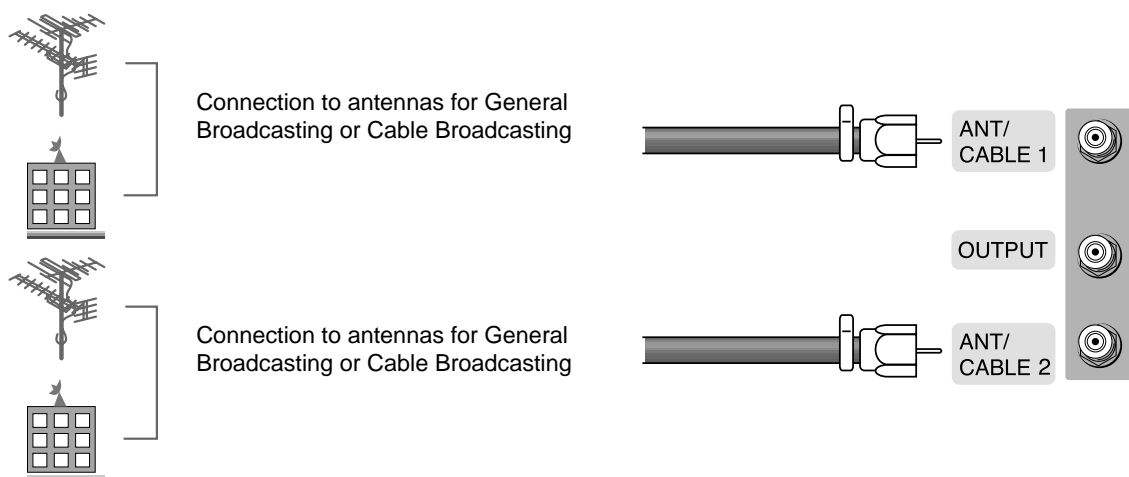
Watching cable television is only possible after you have subscribed to the local broadcasting company and installed a cable receiver.





In simultaneous use of antennas for Cable Broadcasting and General Broadcasting

You can alternatively use the antenna input 1 or the antenna input 2 if changing setup in the <Menu>, <Channel Setup> or <Antenna>.



Name of Each Part

Front Panel

Buttons on the TV set have the same function as those of the remote controller.



Front Panel Button

If you turn the TV set off by pressing the main power button at this panel, it is as unplugging the power cord from the outlet since this will prevent all operation of both the TV set and the remote controller. Unless you are not using the unit for a long period of time, have the main power on this panel turned on at all times.

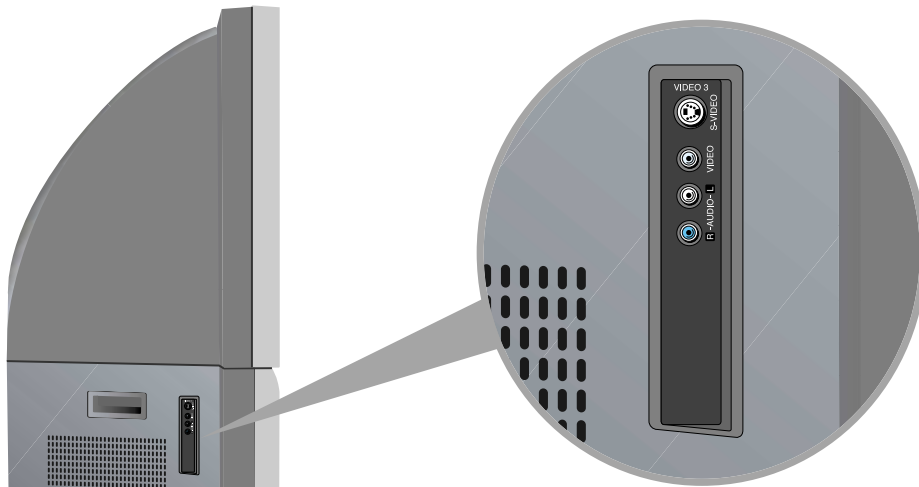
Remote controller signal receiver

the screen contains the remote controller signal receiving window; thus, point the remote controller towards the screen when using it.

Power/ Timer Lamp

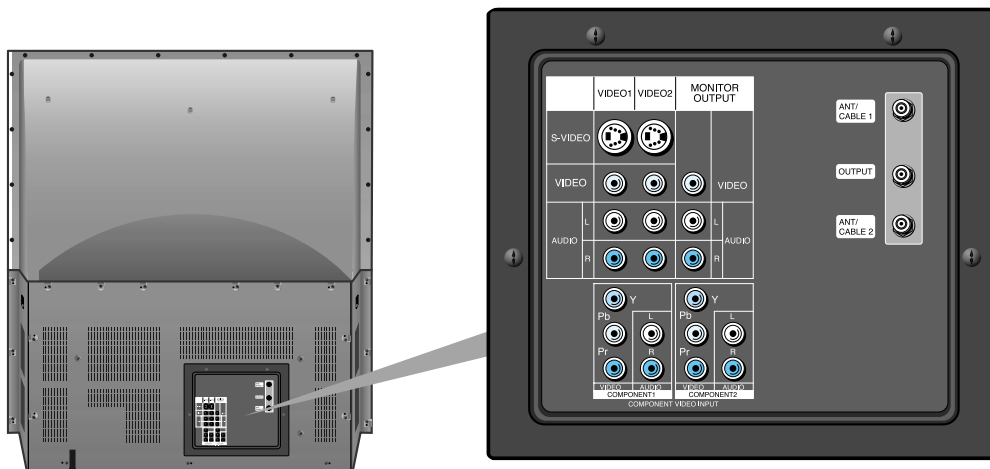
Power lamp is blue color if power turns on and red color if power turns off.
Timer lamp turns on in Off/On reservation.

Side and Rear Panel



Side Panel

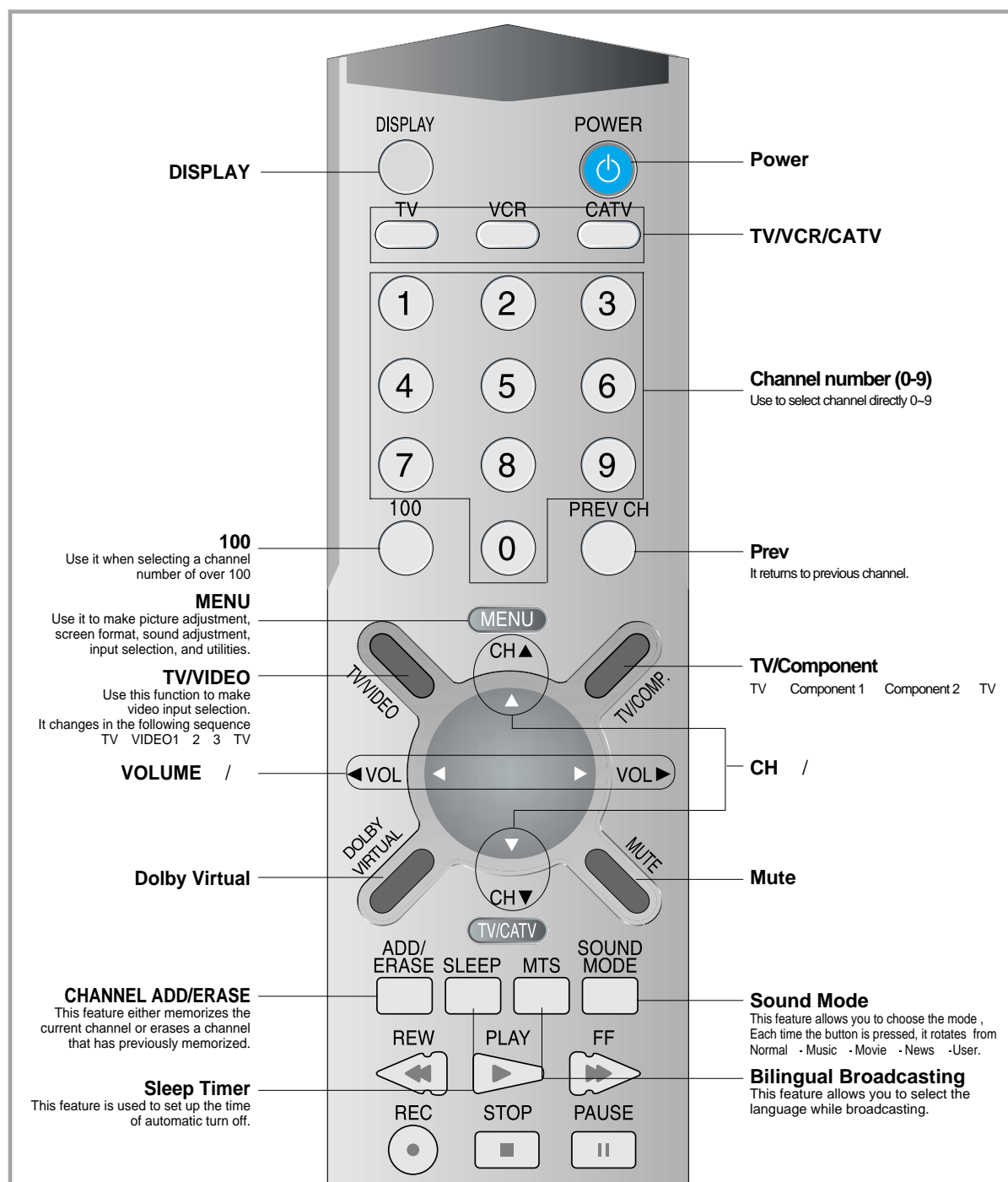
It is convenient to use the input jacks provided at the side panel when connecting to the camcorder or play station. It is also convenient when connecting a personal computer to the TV set, and when listening to the sound through headphones.

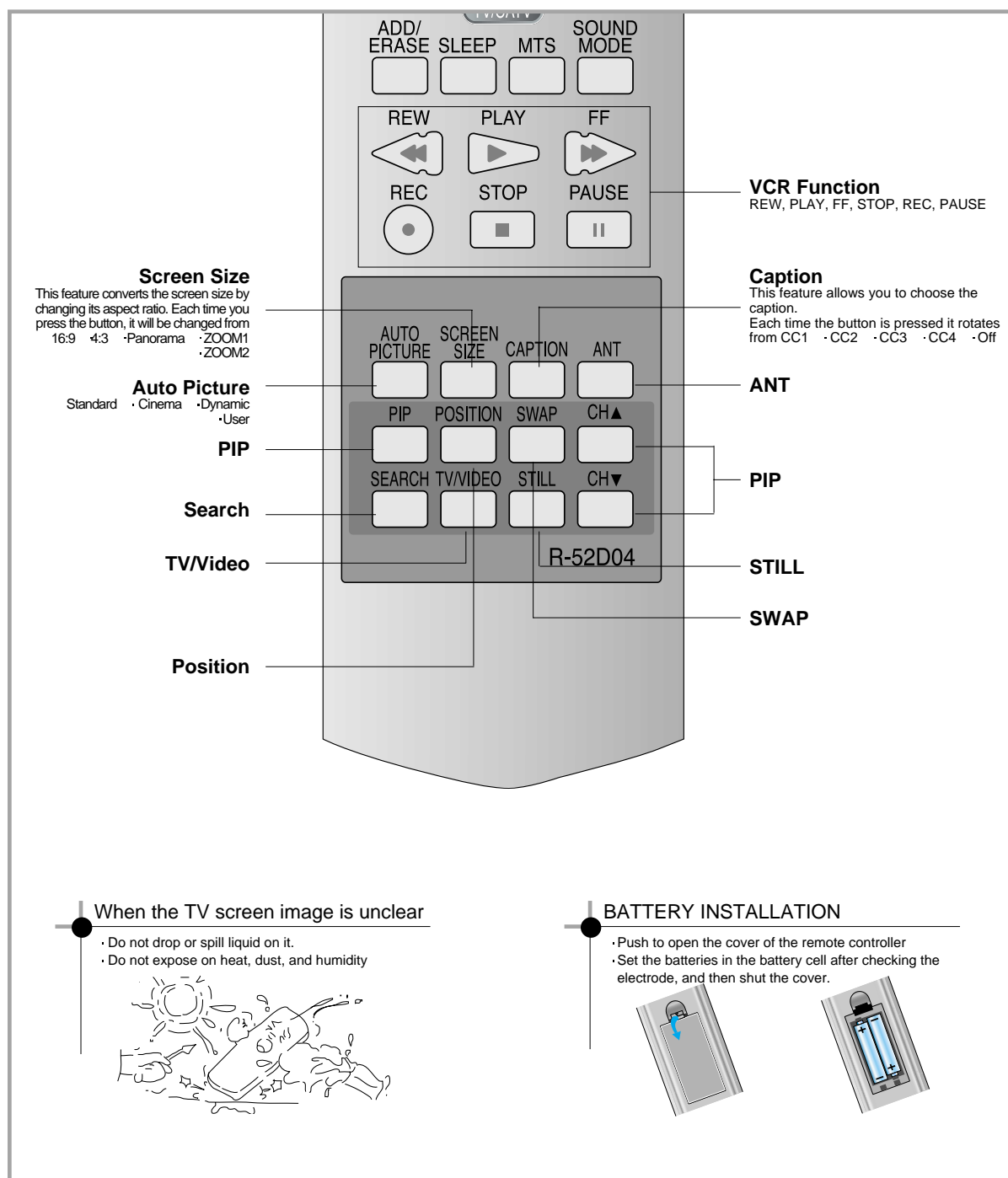


Back Panel

Parts of the remote controller

This remote controller is universal; thus, it may be convertible for TV, Video, CTV, etc.





To setup device change of remote control

Method to setup device change of remote control

- The remote control is setup to be used for operating the HDTV provided together.
You may also setup the remote control in order to operate cable TV receiver or video, etc with a remote control.

Notices:

Caution

- All the preset codes are erased when replacing the battery.
In this case, you must reset the remote control again.

METHOD TO SETUP DEVICE CHANGE OF REMOTE CONTROL

- Ensure that power plugs of the outside device to be used are connected and that power turns off.
- Find the code number of the outside device to be used in the code list (See Setup Code of Remote Control).
- Continue to press the device change button related with the outside device to be used when the device change lamp (video / cable) flashes.
- With the remote control oriented downward, enter the remote control setup code number made of three numbers by using the number button of the remote control. If the code is correctly entered, power will turn on in the designated device (if no power turns on, repeat this process by using another code).
- Continue to press the device change button until the device change lamp flashes three times.

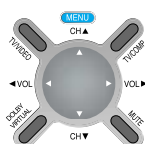
Remote Control Setup Code			
Cable TV receiver		Video	
Brand	Code	Brand	Code
Panasonic	046 049	Daewoo	001 007 009 012 060 061 086 088 090 094 095 096
Philips	009 015 016 023 064 078 083	JVC	013 030 032 040 044 046 051 056 103 119 121 128 166
Samsung	001 033 067	Mitubishi	014 020 041 042 045 047 055 057 120 145
Toshiba	054	LG	013 014 020 079 084 092 099 127
		Panasonic	062 066 070 078 106 114 122 146 147 156 160 161
		Philips	030 032 033 050 063 067 079
		Samsung	031 038 080 082 083 085 087 090 091 093 097 098 101 153 163
		Sharp	030 050 118 143 150 164
		Sony	005 011 030 048 052 053 054 072 073 074 118 136 151

Method To Use Basic Menu

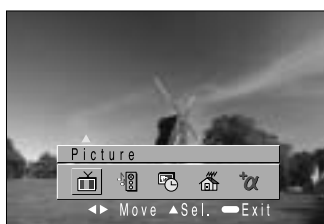
Basic Menu

- Basic menu appears on the screen if pressing the menu button of the remote control.
- There are 5 items of Picture, Sound, Function, Set up and Special in the basic menu.
- Each item has sub-items under it. If the desired item is selected, the relevant sub-items are displayed upward.

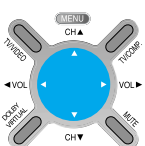
1 Press the "Menu" button.



- The main menu appears if pressing the Menu button.



2 Press the "VOL" button.



- You may setup according to the directions on the screen after selecting the desired item and pressing the "VOL" button.
- If the setup is completed, exit from the menu by pressing the "Menu" button.



PICTURE Adjusts Brightness, Contrast & Sharpness, Color, Tint and Picture NR.



SOUND Adjusts Mode, Balance and Equalizer.



FUNCTION Adjusts Timer, PIP, Caption, Language and Parental Lock



SET UP Adjusts Air/Cable, Auto Program, Ch Edit, Antenna



SPECIAL Adjusts Convergence, Dolby Virtual, Component

To Watch TV

To Watch TV

- Buttons with same name in the main body performs same function.

Press the "Main Power" button of the main body.

- The buttons of the remote control and the main body operate only when pressing the "Main Power" button of the main body. The remote control and the main body do not operate if turning the "Main Power" button of the main body off.

When pressing the Channel button

- Select two digits if using the number button for channel selection.
For example, to watch the No.9 channel, Press the number button 0 and 9.
If pressing only number 9, it takes long time for selecting channel.

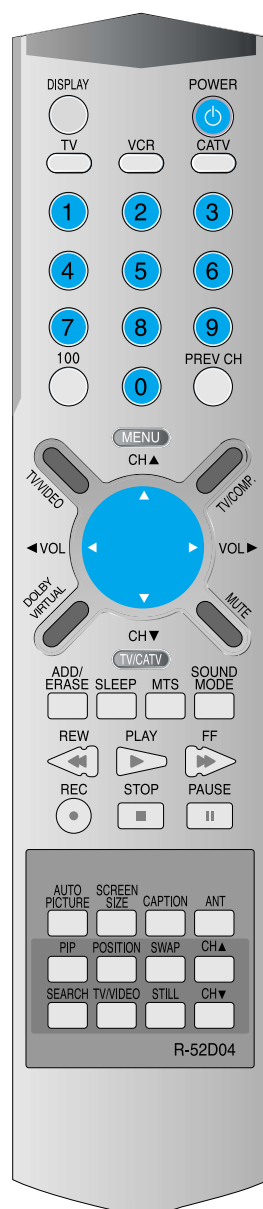
To suddenly turn sound off

1. Press the 'Mute' button.
2. No sound is heard if 'Mute' is displayed on the screen.
3. Sound is heard again if pressing the 'Mute' button once again.

For example, please use this button when telephone rings or when guest comes while watching TV.

Check of TV operation status

- If pressing the "Display" button, status of channel or broadcasting being currently watched or entry status of video component is displayed on the screen.





1

Press the “Main Power” button.

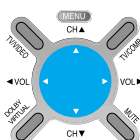


- Press the “Main Power” button of the main body.
- The main power lamp turns on in red color.
- Press the “Power” button of the main body or the “Power” button of the remote control.
- The main power lamp turns on in “green” color and the TV turns on.



2

Press the “ CH ” button.

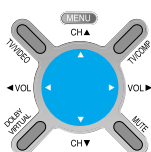


- Select the desired channel by pressing the “ CH ” button or the number button.
- Ex) Channel 09

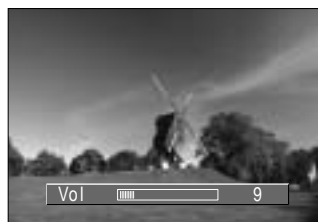


3

Adjust volume.



- Sound reduces if pressing the VOL button.
- Sound increases if pressing the VOL button.

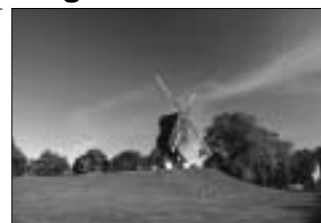


4

Press the “Power” button for turning the TV off.



- TV turns off and the power lamp changes to red color.



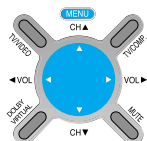
Automatic Channel Memory

Automatic Channel Memory

- This is function for the TV to automatically memorize only the broadcasted channel. If setup the Auto Channel, you can simply find out channels with the channel " CH " button and so need not to select channels by pressing each channel number.
- Always enter this function at the regular TV On-Air time with antenna connected. Air/Cable channel currently On-Air is memorized respectively if setup Auto channel for the General/Cable broadcasting. Always perform this process again if moving to another place or moving the TV.



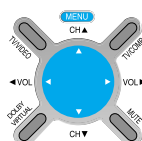
1 Press the "Menu" button.



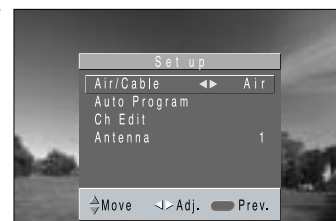
- The menu screen appears as follows.
- Press the " VOL " button until the " " mark will come on the "Set up".
- Press the "CH " button if the " " mark will come on the "Set up".



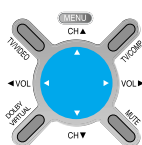
2 Select the "Air/Cable" by pressing the " CH " button.



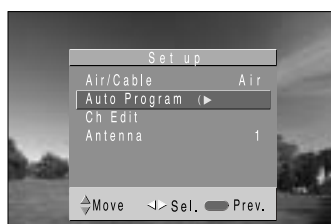
- Select the "Air/Cable" by pressing the " CH " button.
- Select "Air" to watch the general broadcasting, and select "Cable" to watch the cable TV by using the " VOL " button.



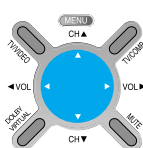
3 Select the "Auto Program".



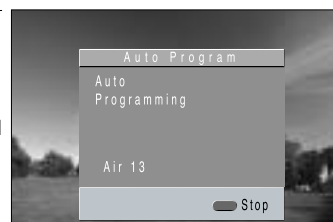
- Select the "Auto Program" with the "CH" button.



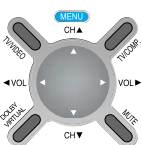
4 Press the "VOL" button.



- Pressing the "VOL" button automatically searches On-Air Channel as in the right.
- On Air TV, searches from 2 channels through 69 channels, and on Cable TV, searches from 1 channels through 125 channels.
- In this case, if pressing the menu button, the automatic Channel search is stop. However, channels searched by that time are saved.



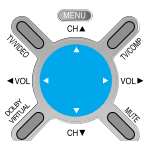
5 Auto Program is completed.



- A screen appears as in the right if the Auto Program is completed.
- A screen appears as in the paragraph 1 if pressing the menu button.
- Continue to press the menu button until the menu screen disappears.



6 Check by pressing the "CH" button.

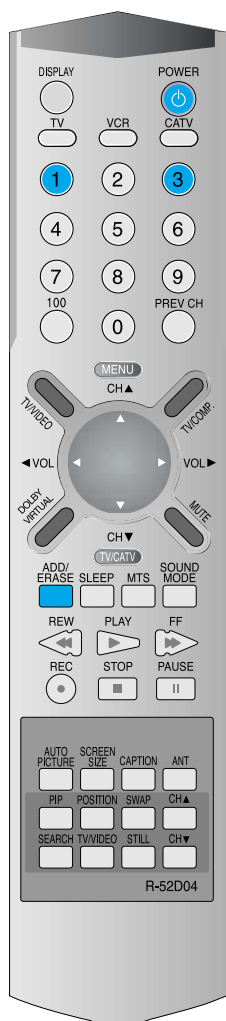


- Searches only the memorized channel.



Additional Channel Memory

- This is method for additionally memorize channels not memorized due to weak broadcasting signal.
- This function is available even in the <Menu> - <Set Up> - <Ch Edit> - <Add/Erase>.

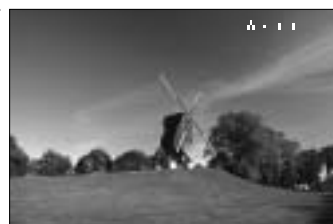


1

Select the Channel to memorize.



- Select the Channel by pressing the number button.
Ex) "13" channel



2

Press the "Add/Erase" button.

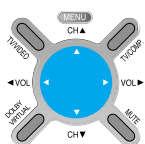


- Add – Erase character alternatively appears whenever pressing this button.
- Add appears in green color and Erase appears in red color.
- Adjust to Add.
- Watch the memorized Channel with the " CH " button.

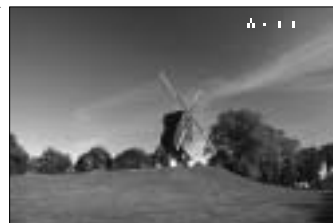


3

Check the Channel by pressing the " CH " button.



- "13" is selected by pressing the " CH " button.

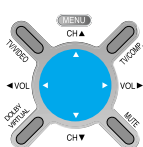


Erase of Memorized Channel

- This is function to erase unnecessary Channel memorized.
- This function is available even in the <Menu> - <Set Up> - <Ch Edit> - <Add/Erase>.

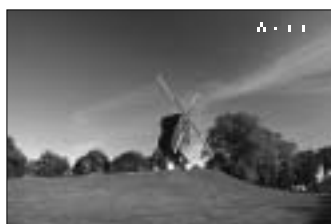
1

Select the Channel to erase.



- The Channel to erase with the “ CH ” button.
- You may select the Channel by pressing the number button.

Ex) “13” channel



2

Press the “Add/Erase” button.

ADD/
ERASE



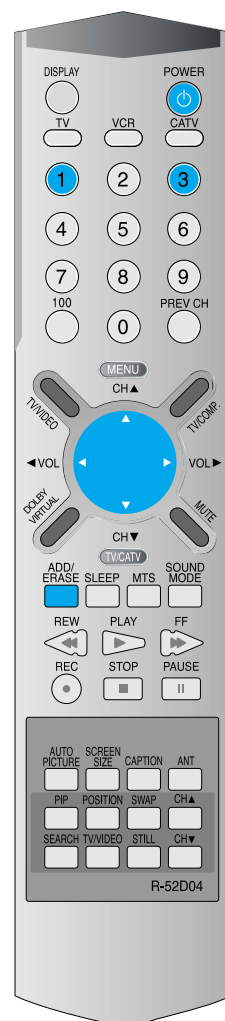
- If pressing the “Add/Erase” button, the Channel number changes from green color to red color.
- Add – Erase character alternatively appears whenever pressing this button.



Notices:

ⓘ Cautions in menu setup

- Menu disappears if not operating any button for 10 seconds from the menu. Press the menu button to erase the menu.
- Only Channel signal with signal in setting up automatic Channel is memorized and other channels becomes as erase status.
- The screen appears as “Cable” when watching “Air” cable TV during reception of TV.
You may select Air – Cable by pressing the “ VOL ” button.

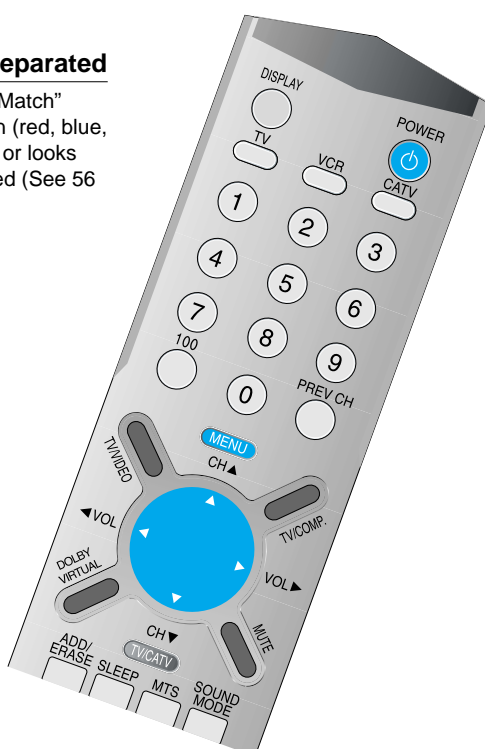


Minute Adjustment of Channel

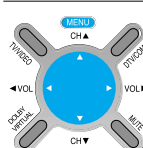
- This is function to clearly adjust the screen to the minute part when any Channel screen appears as a dotted line or when no color appears or when a stripe figure appears or when the screen is unstable.

When color looks separated

- You must adjust "Color Match" when color of the screen (red, blue, yellow) looks separated or looks spread due to unmatched (See 56 page).



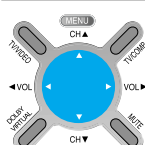
1 Select the Set up with the "Menu" button and the " VOL " button.



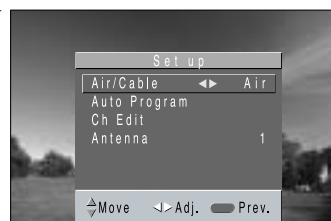
- The " " mark appears as in the right if pressing the " VOL " button until it will arrive at the Set up.



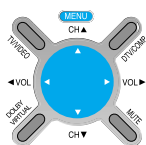
2 Select "Air/Cable".



- This screen is used for selecting "Air TV" and "Cable TV"
- The screen is changed to "Air TV" and "Cable TV" whenever pressing the " VOL " button.



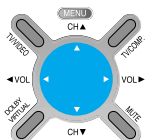
3 Select Ch Edit



- The screen appears as in the right if pressing the “Ch Edit”.



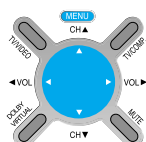
4 Other items for Channel adjustment



- This item enables to erase, memorize or minute adjust the channel.
- Select the desired Channel firstly.
- Performs Add or Erase.
- Minute adjust enables to adjust minute and clear thing on the screen.



5 Select Fine



- Select Minute Adjust by using the “ CH ” button.
- Stop to press the “ VOL - ” button if the screen becomes best conditions.



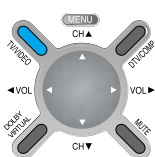
Selection of Input Signal

When watching video, Camcorder, Cable TV

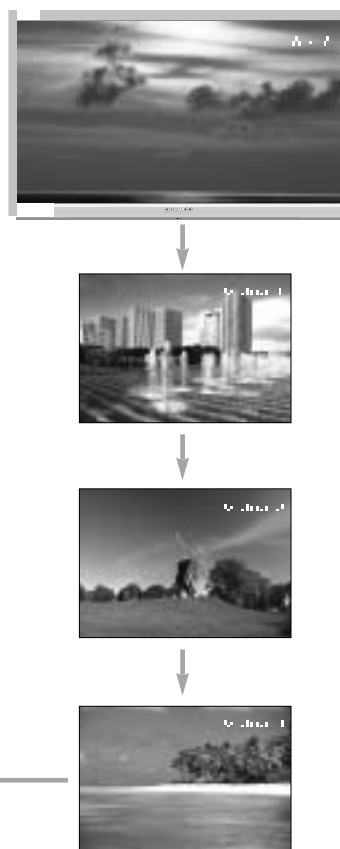
- See 11p for connection method of TV and "Video".
- You cannot designate channels when watching video.



1 Press the "TV/VIDEO" button.



- Screen changes as follows whenever pressing the "TV/Video Input" button.



Notices:

● Cautions in menu setup

- Menu disappears if not operating any button for 10 seconds from the menu.
- Don't connect video signal and S-video signal to the video input terminal (1,2,3) at the same time. If connecting both signals at the same time, the S-video operates.
- You can watch only when this input terminal must be connected to the composite video (generally video) signal.
- If sound signal is of mono method, connect it to the L-terminal of the sound input terminal.



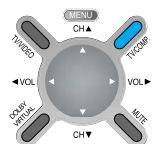
When watching DTV and DVD (component input)

- See 13p, 15p for connection method of DTV and DVD (component input).
- Input component video (called as color difference signal) as DVD signal.



Press the “TV/COMP.” button.

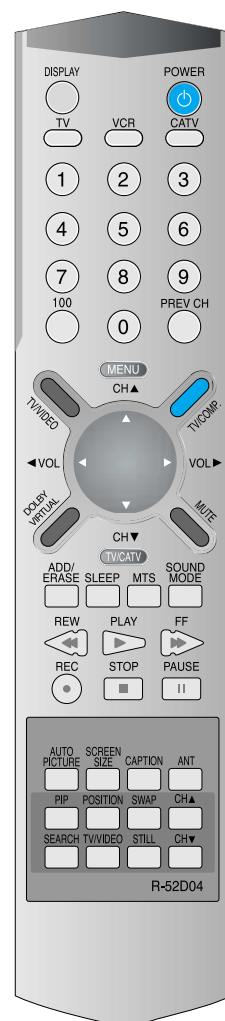
- The screen changes whenever pressing the button once.



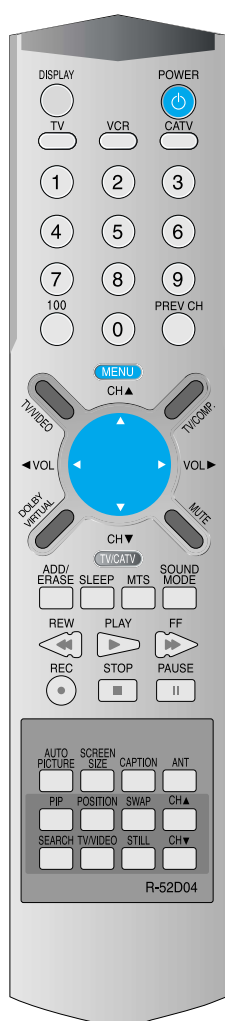
Component 2



Component 1

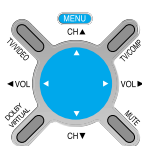


Method to watch by using Menu button



1

Press the Menu button.



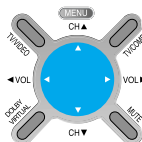
- Press the "VOL" button until the " " mark will come on the "Special".
- Press the "CH" button in the " " mark will come on the "Special"



2

Select "Component 1" or "2" from the "Special".

- Component Off is repeated whenever pressing the "VOL" button.
- Component 1 is repeated whenever pressing the "VOL" button.
- Component 2 is repeated whenever pressing the "VOL" button.



Screen Adjustment

When setting up various screen mode

- The user may select various screens designed in good appearance in respect of a professional without adjusting the screen individually.

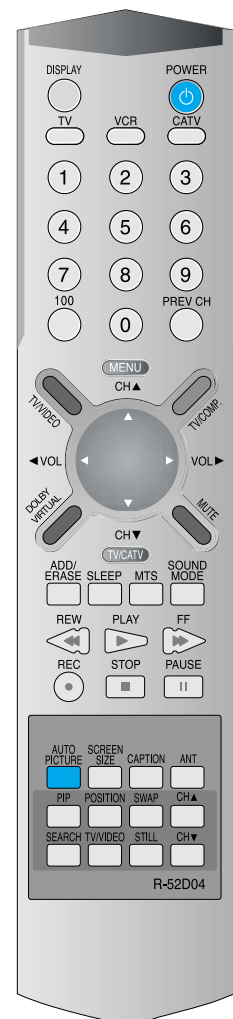
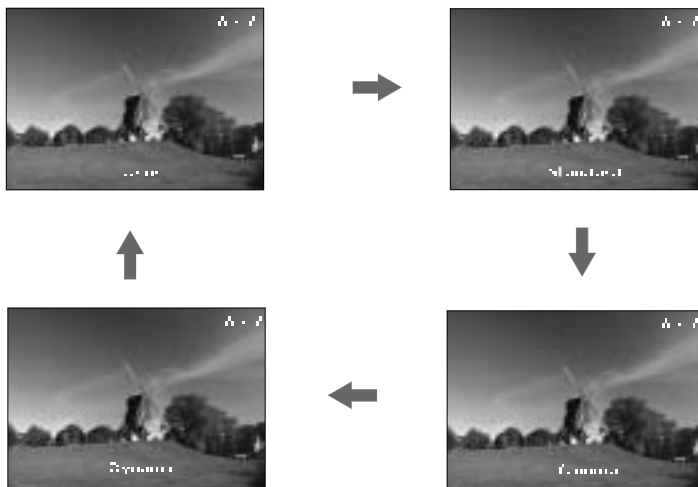
1

Press the “Auto Picture” button.

AUTO
PICTURE

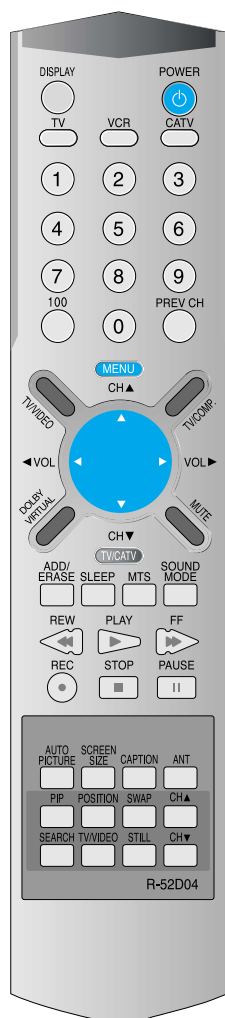


- The screen adjustment status changes as following screens are displayed sequentially whenever pressing the button of the Screen mode.
- Screen automatically changes to the User Screen if adjusting Brightness, Contrast, Sharpness, Color, Tint from individual screen mode.
- The screen returns to the mode prior to turn power off if turning power off and then turning power in each screen status.



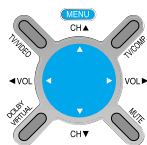
When removing screen noise

- Screen noise refers to that screen looks bad as abnormal signal (noise) generates on the screen when broadcasting signals are weak.

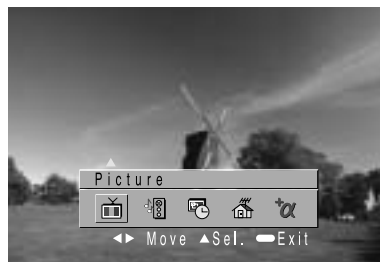


1

Press the “Menu” button.

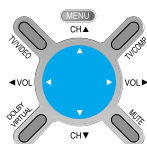


- Press the “ VOL ” button until the “ ” mark will come on the “Picture”.
- Press the “CH ” button if the “ ” mark will come on the “Picture”.
- Press the “ CH ” button and select “Picture NR”.



2

Press the “ VOL ” button.



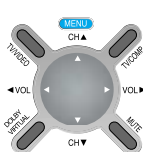
- If pressing the “Volume ” button, On and Off of the Picture NR function are repeated.
- Select On to select the Picture NR function.



When adjusting the screen to taste

- You can enjoy various screens by adjusting Brightness, Contrast, Sharpness, Color, Tint, etc to the user's taste.

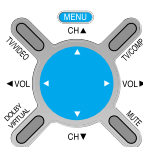
1 Press the "Menu" button and "Picture".



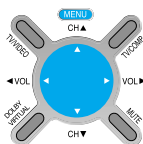
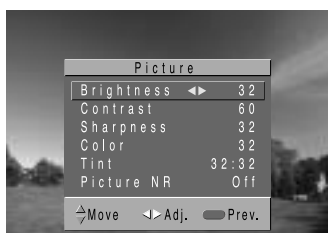
- Press the " VOL " button until the " " mark will come on the "Picture".
- Press the "CH " button if the " " mark will come on the "Picture".



2 Select the item desired to adjust and press the " VOL " button.



- Whenever pressing the " CH " button, you can select in the order of Brightness, Contrast, Sharpness, Color, Tint, Picture NR function.



- The screen appears as in the right if pressing the " VOL " button after selecting items desired to adjust with the " CH " button.
- You can adjust Brightness by pressing the " VOL " button.



3 Adjust Brightness, Contrast, Sharpness, Color, Tint, in the same manner.

Notice

Brightness : Adjusts the whole of screen brighter or darker.

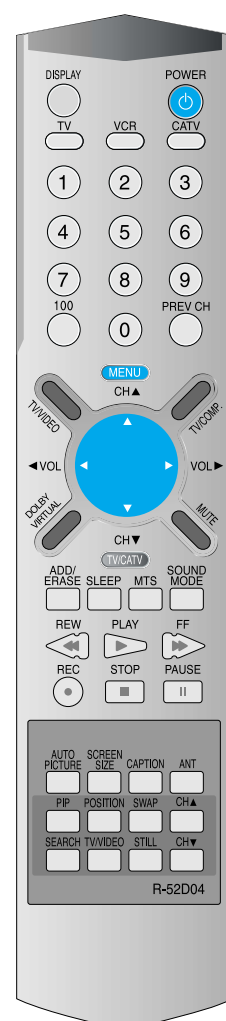
Contrast : Adjusts difference between brightness and darkness between objects and background on the screen.

Sharpness : Adjusts outline of the screen smoothly or sharply.

Color : Adjusts color thinly or thickly.

Tint : Adjusts so that color of personal face becomes most naturally.

Picture NR : Automatically removes screen noise.



Adjustment of Screen Size

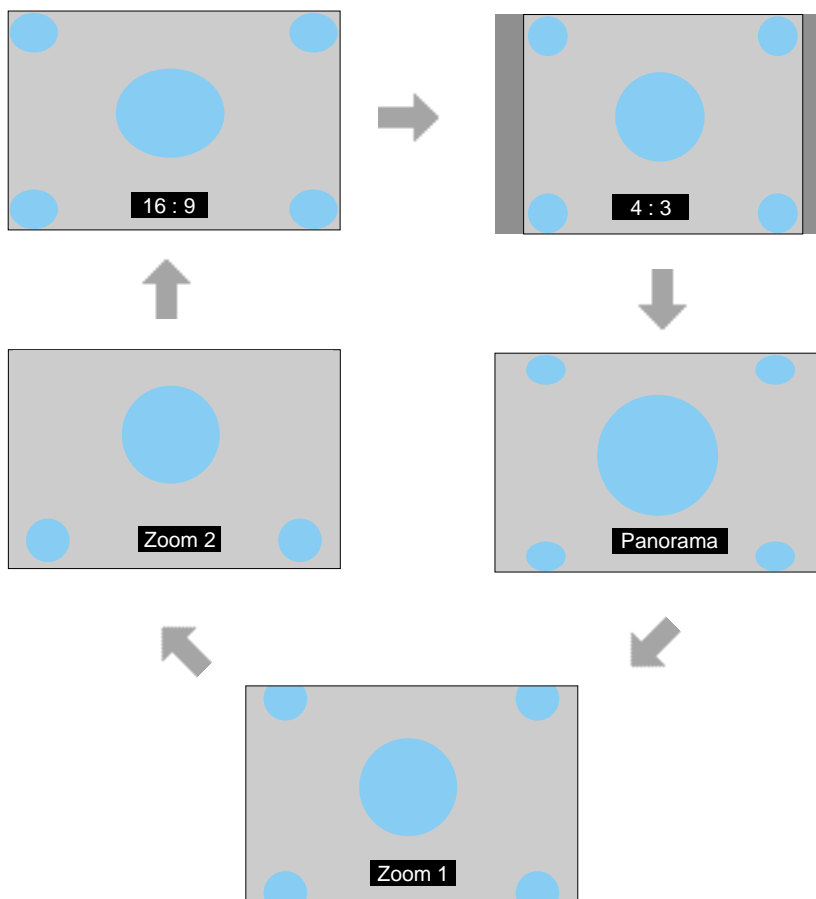
- Randomly change the size of the screen. Pleasure for enjoying the TV increases further.
- This mode does not operation in the component 1 and 2 terminal. (However, the mode operates when 480i is entered into the component 1 and 2 terminal.)
- The 16:9 screen operates when power is turned on firstly.



Press the "Screen Size" button.



- The screen changes as below whenever pressing the "Screen Size" button.



- **16:9** : The 16:9 screen to prove atmosphere of the movie hall.
- **4:3** : General TV screen currently broadcasted.
- **Panorama** : Screen that extends the 4:3 image to 16:9 and spreads the left or right part, and whose center provides natural and energetic feeling.
- **Zoom 1** : Screen that enlarges image upward or downward.
- **Zoom 2** : Screen that enlarges image upward or downward and inserts title for video viewers into image.

Method to Setup the Caption Screen Mode

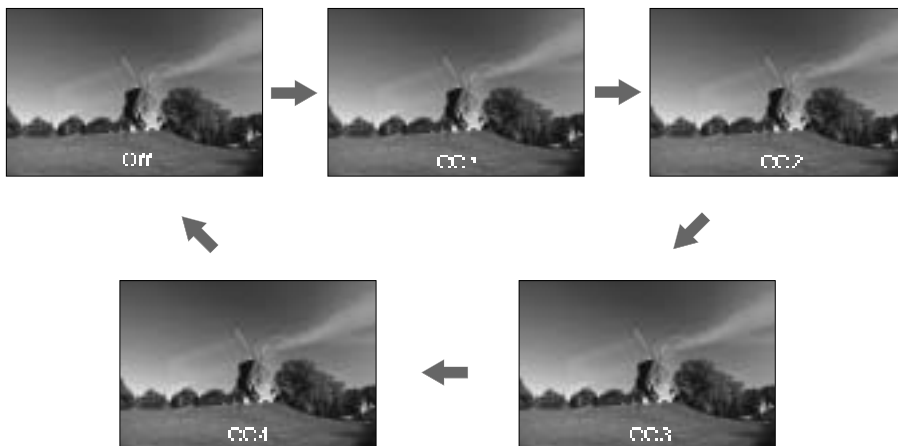
- You can watch in character (English) as well as hear sound in watching English caption program.

1 Press the "Caption" button.

CAPTION



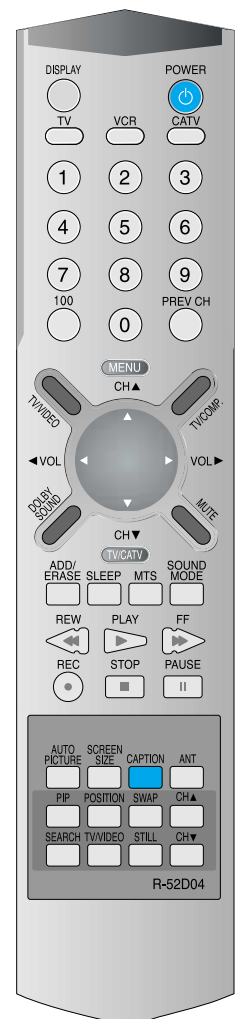
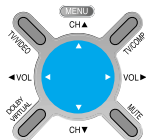
- Setup performed once continues to keep the status as it is.



Method to Setup the "Caption" with Menu button

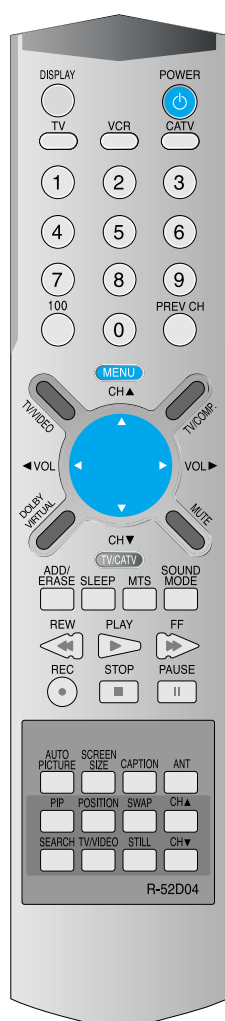
1 Select "Caption" after selecting the "Menu" button and "Function".

- Off - CC1 - CC2 - CC3 - CC4 is repeated whenever pressing the "Volume" button.



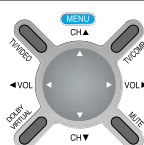
Setup of Parental Lock

- This is function to protect children or juveniles from the harmful broadcasting or videotapes.



1

Press the "Menu" button.

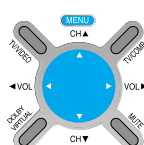


- Main menu appears as in the right drawing.



2

Select "Function".

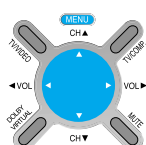


- Select "Function" with the " " mark by using the " VOL " button.
- Sub-menu appears if pressing the "CH " button.



3

Select "Parental Lock" by pressing the " CH " button.



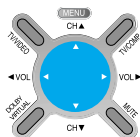
- Press the "VOL " button.



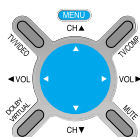
4

Press "Password".

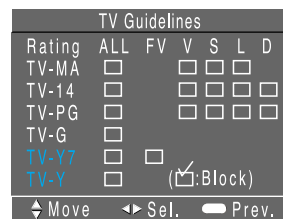
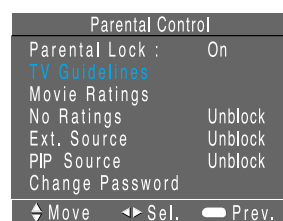
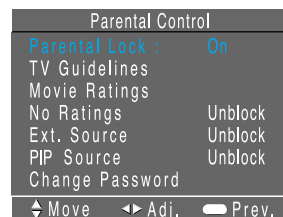
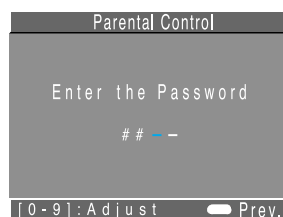
- Press Password by using number 0~9.
- Caution) If using your password, remember it. It is needed for continuous use of this function hereafter.

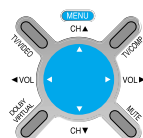


On – Off of the Parental Control is repeated whenever pressing the " VOL " button.



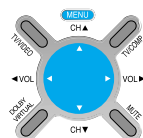
- A guideline of TV is setup in all the TV programs including sports, news.
- The " CH " button selects items and the " VOL " button sets up or cancels each item.





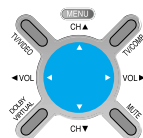
- Rating of movie is setup even in movie, videotape and other media objects including TV program.

Parental Control	
Parental Lock :	On
TV Guidelines	
Movie Ratings	
No Ratings	Unblock
Ext. Source	Unblock
Pip Source	Unblock
Change Password	
◀ Move ▶ Sel. ◻ Prev.	



- The “ CH ” button selects items and the “ VOL ” button sets up or cancels each item.

Movie Ratings	
X	<input type="checkbox"/>
NC-17	<input type="checkbox"/>
R	<input type="checkbox"/>
PG-13	<input type="checkbox"/>
PG	<input type="checkbox"/>
G	<input type="checkbox"/>
NR	<input checked="" type="checkbox"/> (M:Block)
◀ Move ▶ Sel. ◻ Prev.	

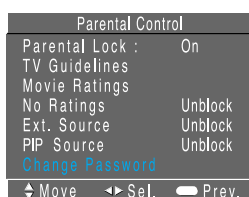


- Interrupts program without rating.
- Interrupts program of the input terminal for the outside video (video 1, 2, 3).
- Interrupts program of the PIP.
- Sets up the Unblock or the Block with the “ VOL ” button.

Parental Control	
Parental Lock :	On
TV Guidelines	
Movie Ratings	
No Ratings	Unblock
Ext. Source	Unblock
Pip Source	Unblock
Change Password	
◀ Move ▶ Adj. ◻ Prev.	

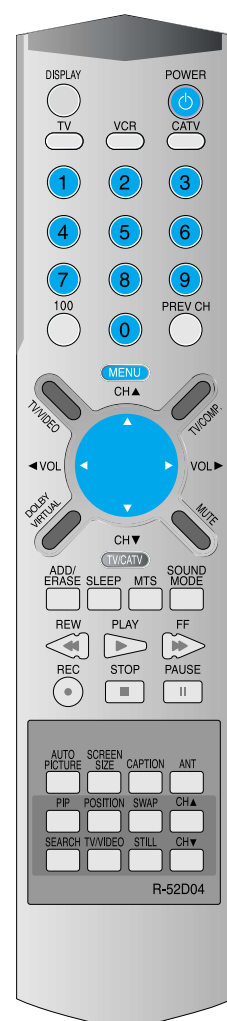
5 “Change Password”.

- In the initial purchase of TV set, password is set to blank.
- In continuous use of Parental Control, you need to change your password.
- If pressing the “ VOL ” button after selecting password, the second screen of below drawing appears. Here, newly enter your unique password by using number of 0 through 9. Enter your password in the same manner once again.



6 Exit from the “Parental Control” menu.

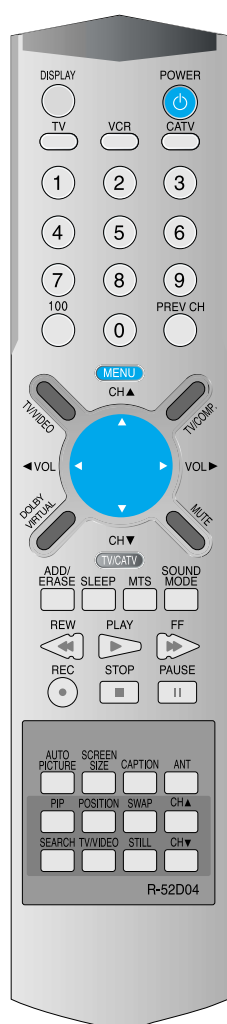
- The main menu appears if pressing the menu button once.
- The OSD of the menu disappears if pressing the menu button until it disappears.



Selection of PIP

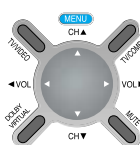
When selecting various PIP

- You can enjoy various screens to your taste by selecting various functions of PIP. However, you cannot watch same Channel as main screen in the auxiliary screen.
- You cannot also watch the input terminal screen of the component 1 and 2 with a PIP (auxiliary screen).



1

Press the “Menu” button and select “Function”.

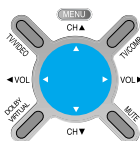


- Select “Function” with the “VOL” button.
- Sub-menu appears if pressing the “CH” button.



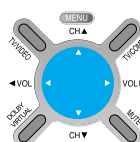
2

Select “PIP” by pressing the “CH” button.



3

3. Press the “VOL” button from the “PIP”.



- The screen status may change to General Screen, Main/Auxiliary Screen, Two Screen, Search Screen



General Screen



Main/Auxiliary Screen



Two Screen

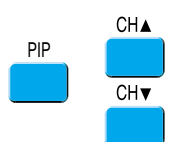


Search Screen

Selection of Auxiliary Screen Channel

1 Press the “PIP” button and press the “ CH ” button of the “PIP”.

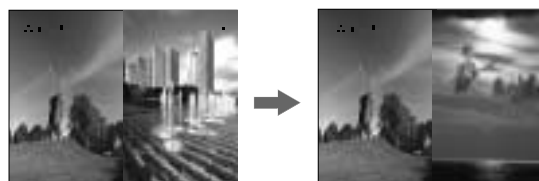
- Select the Channel by pressing the “ CH ” button at the right of the “PIP” button.
- The memorized Channel of the auxiliary screen can be selected.



In case of Main/Auxiliary screen



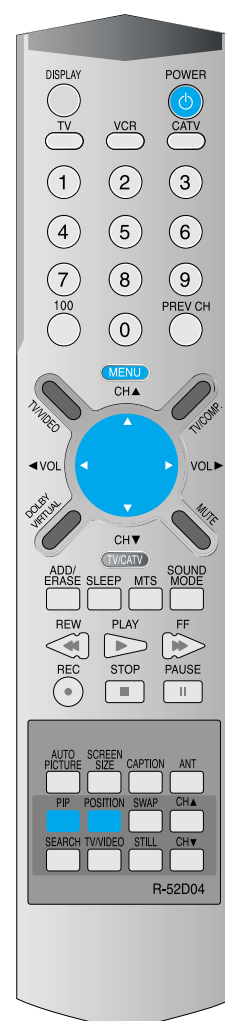
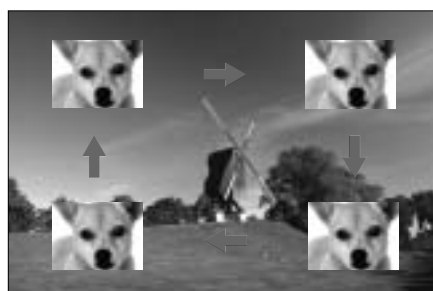
In case of both screens



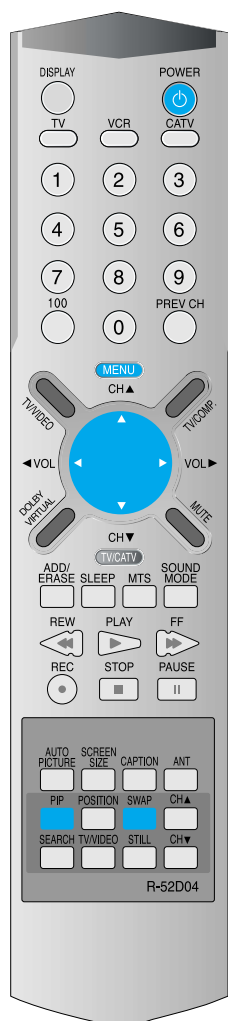
Selection of Auxiliary Screen Position

1 Press the “PIP” button and press the “Position” button.

Position of the auxiliary screen changes whenever pressing the position button.

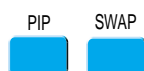


When converting both main screen to auxiliary screen



1

Press the “PIP” button and then press the “SWAP” button.

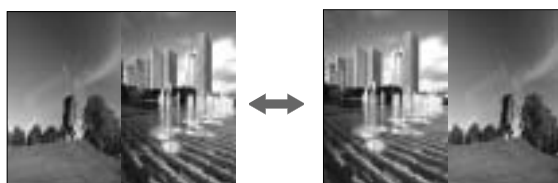


- The main screen changes to auxiliary screen and auxiliary screen changes to main screen.

In case of Main/Auxiliary screen



In case of both screens



4-screen Channel Search Function

- You can identify broadcasting contents while sequentially searching for only the memorized channel.

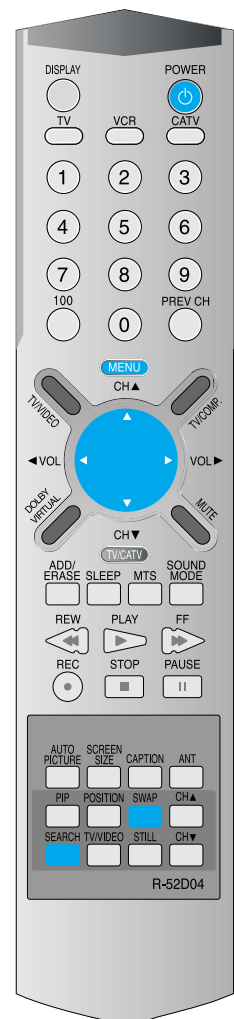
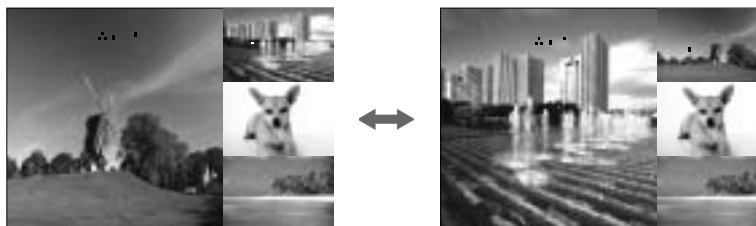
1 Press the "Search" button.



2 The " " mark sequentially moves on the search screen whenever pressing the position button on the search screen.



3 If pressing the Main/Auxiliary Conversion button on the search screen, the search screen with the " " mark and the main screen converts each other.



Still

- This is function to temporarily stop the main screen or the auxiliary screen currently watched.
- You can watch favorite scene, etc without missing important information since you can stop the screen.



1 Still of Main Screen

STILL



- Press the "Still" button when desiring to still the screen currently watched.
- Pressing the button once again returns to the screen being watched as the still screen is cancelled.



2 Still of Auxiliary Screen

PIP



STILL

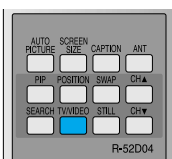


- Press the "Still" button while pressing the "PIP" button.
- The auxiliary screen is temporarily stop if pressing the "Still" button in the PIP.
- Pressing the button once again returns to the screen being watched as the still screen is cancelled.



Notice

Selection of input signal from the auxiliary



- Press the "TV/VIDEO" button inside of the remote control on the PIP.
- You can watch video, cable broadcasting, etc on the auxiliary screen.
 - This mode does not operation in the component 1 and 2 terminal.
 - Use the still function of external sets(DVD player.etc).
 - The auxiliary screen changes in the order of TV Video1 Video2 Video3 TV whenever pressing the button.

Sound Adjust

When selecting various sound modes

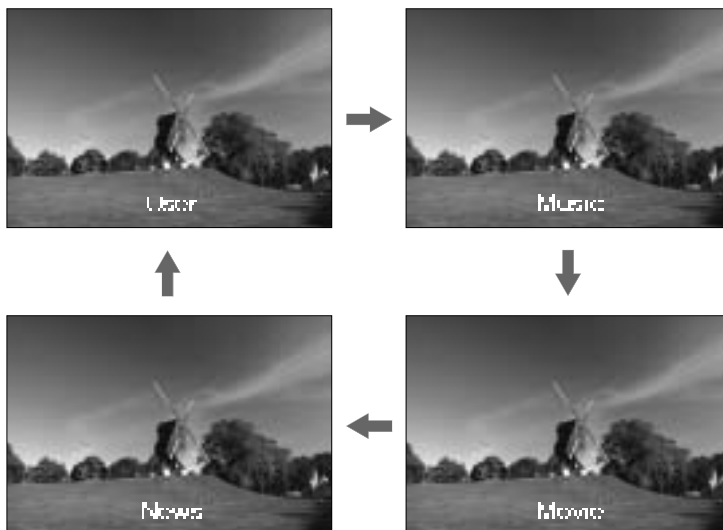
1

Press the “Sound Mode” button.

SOUND
MODE



- Sound status changes while the following screens displays in turn whenever pressing the Sound Mode button.



When adjusting sound to taste

- The user can enjoy various sounds by adjusting Sound Mode, Balance, Equalizer

What's equalizer?

- High quality sound range adjustment method used for audio products.

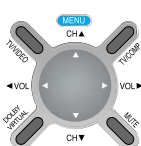
Sound Balance

- Function to adjust balance of sound volume of the left and right speaker.



1

Select "Sound" by pressing the "Menu" button.

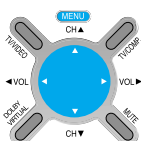


- The menu screen appears as follows:



2

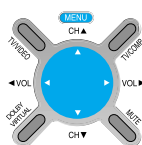
Select items desired to adjust and press the "VOL" button.



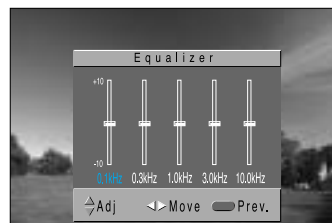
- You can select item in the order of Mode Balance Equalizer whenever pressing the button.



3 In case of adjusting equalizer

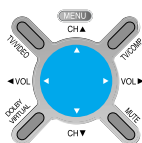


- Select the Equalizer by pressing the “ CH ” button.
- If pressing the “ VOL ” button, the Equalizer Adjust mode appears.

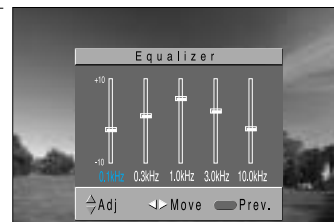


0.1 kHz, 0.3 kHz Low Sound Range
1.0 kHz, 3.0 kHz Middle Sound Range
10.0 kHz, 0.3 kHz High Sound Range

4 Select and use the relevant frequency by pressing the “ VOL ” button.



- You can adjust degree of the relevant frequency by using the “ CH ” button.

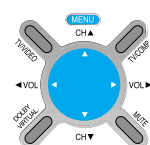


5 Adjust sound balance in the same manner, either.

Dolby Virtual Sound

You can perspective, orientation and a cubic effect through the left/right speaker by developing the existing surround system function.

1 Press the “Dolby Virtual” button.



- Dolby Virtual On Dolby Virtual Off is repeated whenever pressing the Dolby Virtual button.
- You can also operate this function with the menu button.



Multi-Sound and Stereo

- You can select to your taste since multi-sound broadcasting is broadcast in the order of Mono Stereo SAP.
- In stereo broadcasting, automatic conversion to the status selected in the multi-sound broadcasting is done.
- You may also select this function even in <Menu> <Sound> Mode by pressing the menu button.



In Multi-sound and Stereo Broadcasting



Press the "MTS" button.



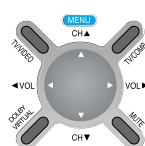
- The status changes while following screens sequentially appears when pressing the button.



Adjustment of Current Time

- You must previously adjust current time in order to reserve Automatic On/Off.

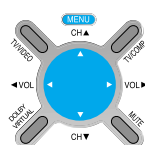
1 Press the "Menu" button and select "Function".



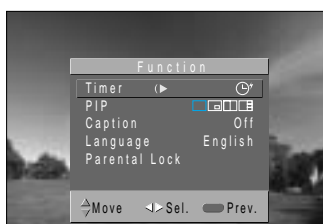
- Select "Function" by pressing the "VOL" button and then press the "CH" button.



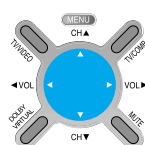
2 Press the "Timer" for selection.



- Select "Timer" by pressing the "CH" button and then press the "VOL" button.



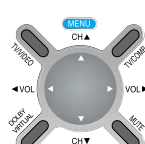
3 Setup the "Clock".



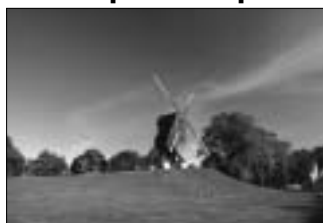
- Hour is set up if pressing the "VOL" button and minute is set up if pressing the "VOL" button.



4 Press the "Menu" button if time setup is completed.



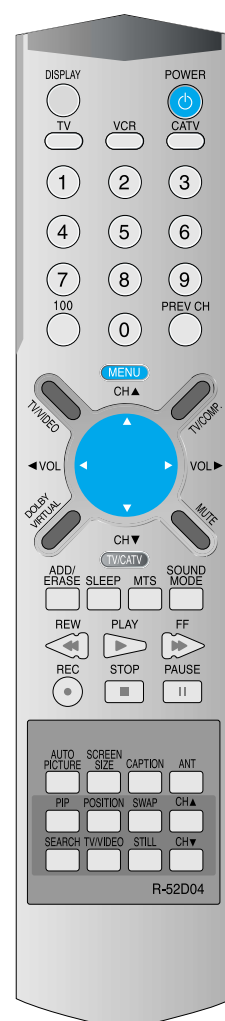
- The menu disappears if pressing the menu button three times.



Notice.

Current time is erased if setting up the Off status by pressing the main power button.

- Leave the main power button in the On status in the case of not using TV for a long time.



Setup of Off-time

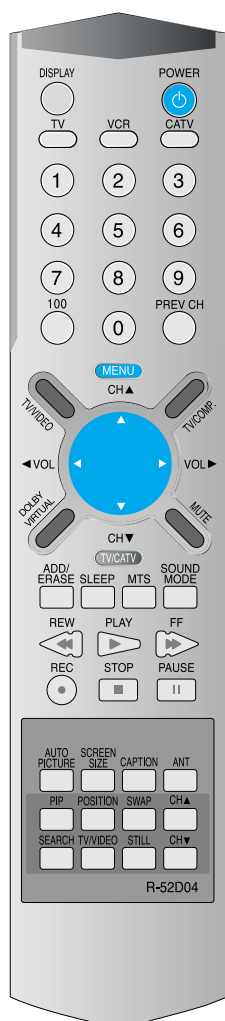
The red lamp turns on even setting up either of Off-time/ On-time.

This function is very convenient since TV is automatically turned off at the fixed time if reserving the Off-time for sleeping time or at desired time.

If adjusted once, this function operate everyday unless canceling the Off-time setup or pulling the plugs out.

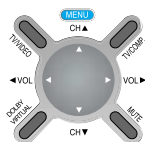
You can reserve current time if setting it up previously.

On/Off time setup is erased if pressing and turning the main power off.



1

Select "Function" after pressing the "Menu" button.

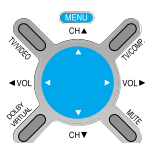


- Select "Function" by pressing the " VOL " button and then press the "CH " button.

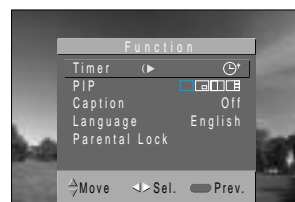


2

Press "Timer" for selection.

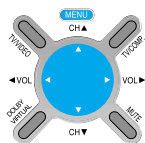


- Select "Timer" by pressing the " CH " button and then press the " VOL " button.

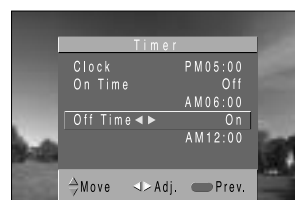


3

Select "Off Time" by pressing the " CH " button.

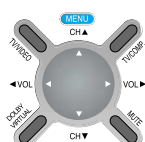


- Hour is set up if pressing the " VOL " button and minute is set up if pressing the "VOL " button.



4

Press the "Menu" button if time setup is completed.



- Select "Off-time" by pressing the " CH " button and select "On" by pressing the " VOL " button.
- Hour is set up if pressing the " VOL " button and minute is set up if pressing the "VOL " button.



Notice.

Setup of On-Time

- Setup in the same manner as in setup of Off Time.
- Reservation function allowing TV to turn on to the desired time.
- If adjusted once, the On-time continues to operate everyday unless canceling setup or taking out the TV plugs.
- It is convenient if setting up so that it turns on the rising time in the morning.
- You can reserve by previously adjusting current time.

Reservation of Sleep Time

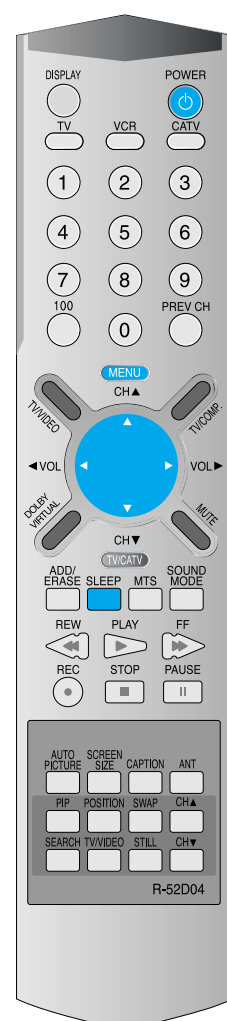
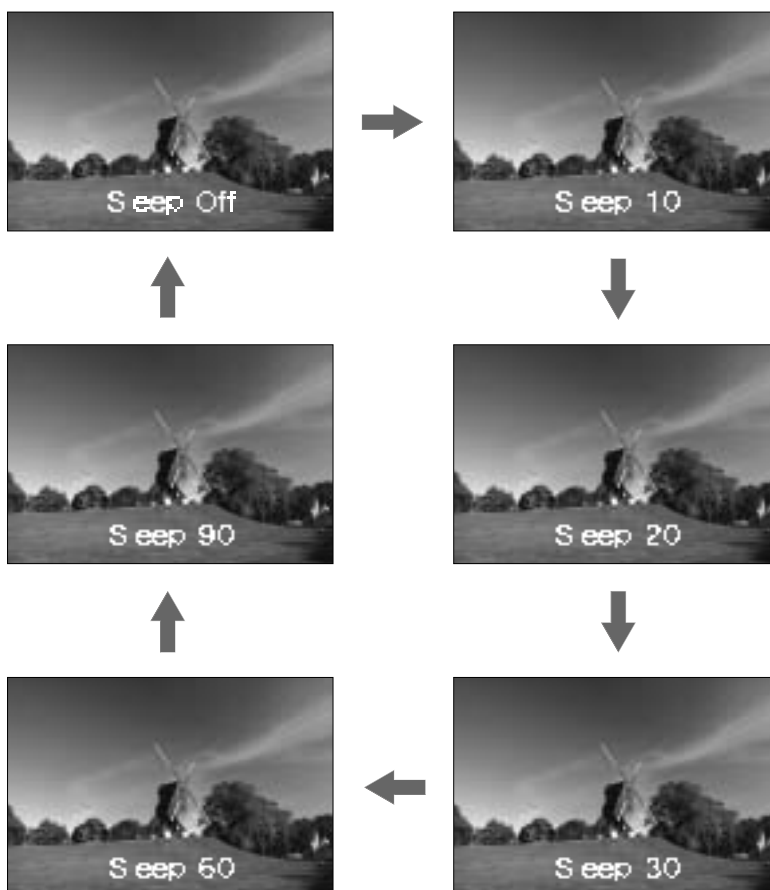
- This is function to reserve so that TV turns off after a fixed time (10 min. ~ 90 min.) has passed from the current time.
- Adjust sleep time with sleep reservation button of a remote control.

1 Press the "SLEEP" button.

SLEEP



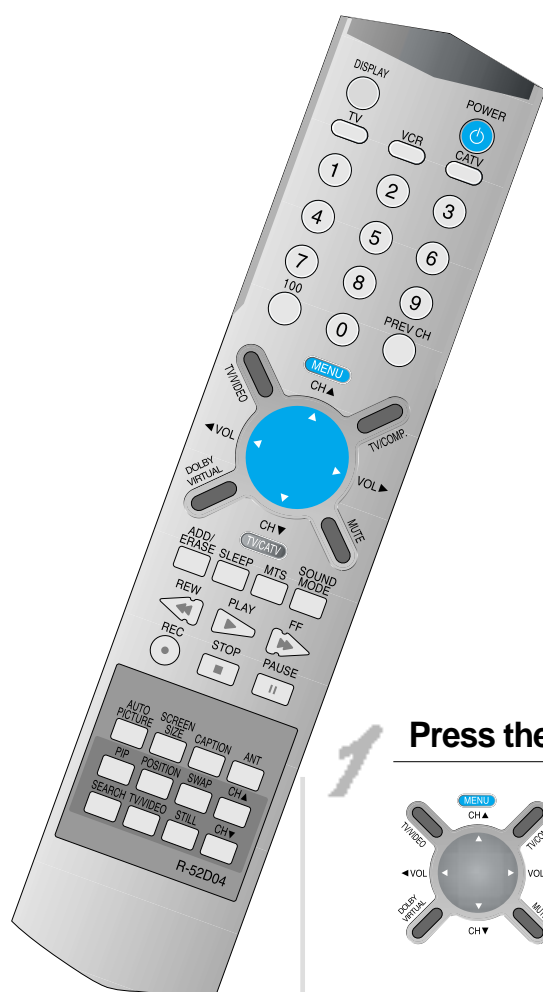
- Sleep Off Sleep 10 Sleep 20 Sleep 30 Sleep 60 Sleep 90 Sleep Off is repeated whenever pressing the "Sleep" button.
- Stop to pressing at the desired time.
- Sleep Off means status that "Sleep" is not setup.



Adjustment of Color Match

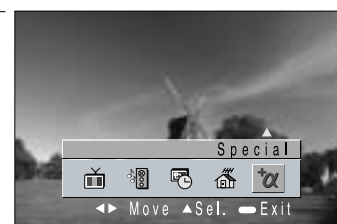
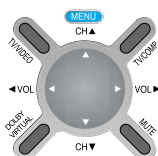
Adjustment of Color Match

- Perform this adjustment when color looks separated or when focus is not suitable or when the screen looks spread, after movement to another place or watching projection TV for a long time.



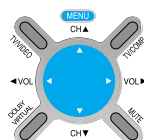
1 Press the "Menu" button.

- The Menu screen appears as in the right.

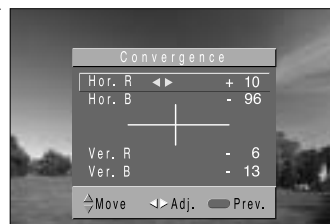
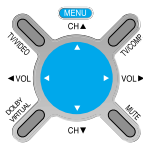


2 Select "Special".

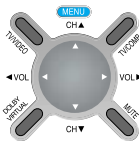
- Select "Special" with the "VOL" button.
- The extension appears if pressing the "CH" button.



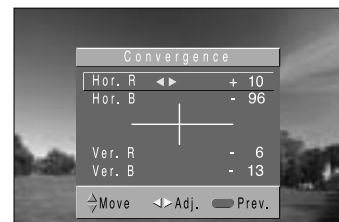
3 Select "Convergence".



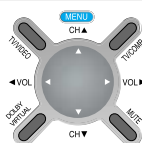
4 Adjust the Convergence.



- The " CH " button selects items and the " VOL " button changes data of the selected item.
- The " VOL " button moves color to the left (upper) and the "VOL " button moves color to the right (lower).
- Adjust the screen so that color of the middle cross becomes white.
- Adjust blue color in the same manner.
- Adjust the screen so that color of the middle cross becomes white in the length and the width.



5 Press the "Menu" button.

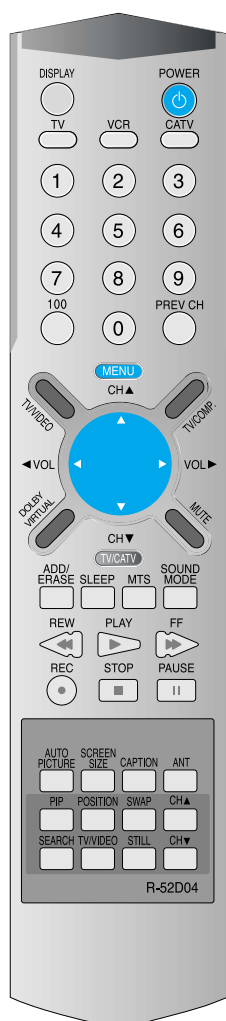


- Press the menu button until the menu screen disappears.
- Ensure that color is correct by turning the channel.
- Perform setup again if color is unmatched.
- Before thinking it as failure

Selection of Language

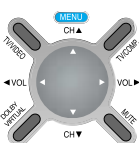
Selection of Language

This function enables to select language of the OSD displayed on the TV screen.
Language of the OSD consists of English, French and Spanish.



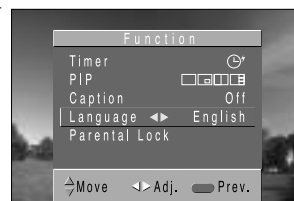
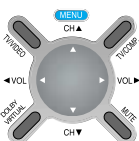
1

Press the menu button and select “Function”



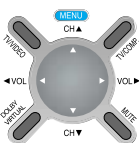
2

Select language the “ CH button”

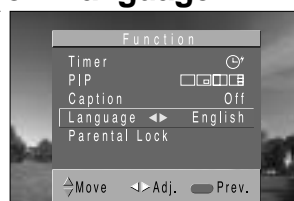


3

Press the “ VOL button from Language.



Language of the OSD changes in the order of English Français Español whenever pressing the volume button.



Troubleshooting

Symptoms and Solutions

Please check the following list prior to calling Daewoo Electronics Service Center for assistance

WHEN THE TV DOES NOT TURN ON



- Is the TV power cord plugged into the outlet correctly?
- Please check the power cord and connect it properly to the outlet.
- Press the main power button at the front controller panel.

WHEN THE VIDEO IS ON, BUT THE AUDIO IS OFF



- Has the "mute" button at the remote controller been pressed accidentally?
- Have you checked its volume?
- Press the "mute" button on the remote controller once more.
- Adjust the volume pressing the "right" button

WHEN THE VIDEO IS ON BUT WHEN THE IMAGE IS NOT IN COLOR



- Have you checked the Color?
- Isn't the program itself broadcasting in black and white?
- Have you checked the antenna connection?
- Adjust the color pressing the "Vol ▲/▼" buttons as explained in page 37
- Check other broadcasting programs
- Check the antenna

WHEN THE IMAGE IS DOUBLED



- Is the antenna towards the right direction?
- Hasn't the Channel Fine Tuning been adjusted wrongfully?
- Turn the antenna towards where the broadcasting station is
- Press the Fine Tuning button and adjust the screen image

WHEN DOTTED OR WHITE LINES ARE ON



- Have you checked the antenna?
- Have you checked whether it has been interfered by vehicles or neon signs?
- Connect the antenna or change the antenna cable.

WHEN THE NET-LIKE LINES ARE ON



- Have you checked whether it has been interfered by any other receiving waves-such as radio?
- Avoid any subject that may interfere its proper operation

WHEN THE STEREO BROADCASTING IS NOT CLEAR



- This may happen when there is a bad reception due to interference or depending on the location of the broadcasting station.
- Press the "map" button and select "Forced Mono"

WHEN THE REMOTE CONTROLLER DOES NOT WORK



- Hasn't the remote controller receiving window be blocked or interfered by any object?
- Aren't the batteries on the remote controller low?
- Hasn't the remote controller mode set up in cable mode?
- Please clear away any object that may block the TV from receiving the remote controller signals.
- Press the "TV/Input" or "TV/CATV" button to change its current mode.

Standard of Product

DSJ-4710CRA/4720CRA	Model	DSJ-5510CRA/5520CRA
VHF 2~13, 14~69 CATV 1~125 CHANNEL	Receipt Channel	VHF 2~13, 14~69 CATV 1~125 CHANNEL
119cm	Screen Size	139cm
NTSC	Signal Method	NTSC
15W / ch (Main L/R)	Speaker Output	15W / ch (Main L/R)
AC 120V, 60Hz	Power	AC 120V, 60Hz
AC 220V, 50/60Hz(Chile, Peru)		AC 220V, 50/60Hz(Chile, Peru)
230W	Power Consumption	230W
1110 x 1210 x 533mm(4710)	Dimension (W/H/D)	1278 x 1352 x 586mm(5510)
1110 x 1210 x 530mm(4720)		1278 x 1352 x 591mm(5520)
62kg	Weight	78kg

Appearance and standard of this product may change without prior notice for improvement.

Consult the service center after promptly cleaning this product with clean water and drying it at a shade.
Never plug-in the power cords since electrical shock or damage of part may occur.

